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THE BOEING COMPANY

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BOEING AIRPLANE COMPANY A

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VOLUME II — Electro-Interference Test Report on Power Supply Group (Figure "A" 1284), Serial Number 0004

R

MODEL WS-133 A

DOCUMENT NUMBER T2-2786

SECTION OR ADDENDUM NO. Section I

TITLE

Electro Interference Test on Power Supply Group R

Figure "A" 1284

Serial Number 0001

NO. OF PAGES 118

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1.0 REFERENCES

1.1 BAC Document D2-9801 "Electro-Interference Test Plan for Operational WS-133A Equipment."

1.2 BAC Document D2-11802 "Electro-Interference Test Requirements for Power Supply Set, DC, LF (Figure "A" 1284)."

1.3 Specification STL-GM 07-59-2617A "Electro-Interference Control Requirements for Minuteman (WS-133A). (Reference only)

2.0 ADMINISTRATION DATA

2.1 PURPOSE

The purpose of the test is to provide, by actual test and recording of data, information on electro-interference generation and electro-interference susceptibility of the Test Sample, during several modes of Test Sample operation, as outlined in reference 1.2.

2.2 DESCRIPTION

Power Supply Set Number 1, serial number 0001, DC, LF, Figure "A" 1284 consisting of one cabinet rack, BAC 25-22552, contains the following items:

Nomenclature	Drawing Number	Quantity
PS 28 V dc, 36A	25-22622	2
PS 28 V dc, 24A	25-22621	1
PS 28 V dc, 12A	25-22620	1
DC Panel	25-24907-2	1
AC Panel	25-24907-1	1
Connector Panel with dc relays)	25-22522-3	1

The Test Sample is part of an auxiliary ground power system which provides necessary launch power for the Minuteman missile in case of primary ground power system failure. The Test Sample requires 120/208 ± 2% volts, 400 cycle, 3 phase input power. Voltage regulation is provided for a rated steady-state output of 28 ± 0.1 V dc. It also requires 51 ± 6°F. input cooling air.

3.0 SUMMARY

The Test Sample was tested as Class III equipment as defined in reference 1.3. Broadband, interference tests, both radiated and conducted, were performed. Susceptibility tests, as set forth in reference 1.2, were also performed.

Radiated, broadband, transient interference, generated by manually operating relays and circuit breakers, exceeded the limits of reference 1.3 above 0.1 megacycles. Radiated, broadband, steady-state interference exceeded the limits between 0.5 to 1.2 megacycles in some modes.

Broadband, conducted, transient interference, measured on ac and dc power leads, exceeded the limits of reference 1.3 above 30 kilocycles on some lines. Conducted, broadband, steady-state interference measured on the ac and dc power leads exceeded the limits above 15 kilocycles on some lines.

Susceptibility tests indicated that the voltage of the Test Sample did not deviate from its normal steady-state output.

4.0 TEST CONDITIONS

The electro-interference tests were conducted in Laboratory Number 1, Screen Room "B" of the 2.01 Building. All ambient interference levels, for both the room and line, were below the internal noise level of the measuring instruments.

The Test Sample was placed on a 12 square feet in area copper ground plane and was grounded by its external ground terminal. As specified by reference 1.2, cooling air was piped into the Test Sample through shielded inlet ducts and the Test Sample's input voltage was maintained at 120/208 ± 2% volts. The input power leads and the load cables meet the requirements set forth in reference 1.1. An auxiliary power supply was used to supply the 28 volts direct current necessary to operate relays K_1 and K_2.

4.1 TEST DEVIATIONS

Tests were conducted in strict accordance with references 1.1 and 1.2 except as noted as follows:

a. The NM-10A, serial number 169-26, was operated in the manufacturer's recommended "peak slide back" mode instead of the peak aural slide back, impulse generator substitution mode as referenced in D2-9801, paragraph 4.2.1.3.1. Therefore, the low pass filter with a cut-off frequency of 150 KC was not used on the NM-10A input.

b. The NF-105, serial number 1883, was operated using its factory installed internal impulse generator instead of an external impulse generator as referenced in D2-9801, paragraph 4.2.1.5.1. Coordination sheet number EIV 23/4-11 of 9/14/61 authorized deviation to this requirement.

c. The size of the shielded enclosure was 19.5 feet by 10 feet by 8 feet instead of 20 feet by 10 feet by 8 feet as required in D2-9801, paragraph 5.1.

d. The measuring equipment and Test Item were not placed on separate ground planes as referenced in D2-9801, figure 9. This requirement is applicable only where the distance between the Test Item and measuring equipment is much greater than three feet.

4.2 TEST OPERATION

The Test Sample was operated in accordance with the methods described in references 1.1 and 1.2. Satisfactory functional operation on the assembled test set-up was performed (with the Design Engineer present) before the electro-interference tests were begun. During electro-interference testing, the Test Sample was shut down if the following conditions, as stated by the Design Engineer, occurred:

a. The input cooling air to the Test Sample exceeded $51^{\circ} \pm 6^{\circ}$ F.

b. The difference between the input and output cooling air temperature was greater than 15° F.

The Test Sample's relays K_1 and K_2 and circuit breakers were manually opened and closed, by operating switch (SW_1) located at the load simulator.

5.0 TEST PROCEDURE

The test procedure used in this electro-interference test was that described by references 1.1 and 1.2.

Modes 1, 2, 6 and 7 per reference 1.2 were set up to measure broadband, steady-state, r-f interference. Modes 3, 4, 5, 8 and 9 were set up to measure broadband, transient, r-f interference generated by normal switch and circuit breaker operation. Each switch and circuit breaker operation called out for the transient modes was performed a minimum of six times and the highest interference level was recorded.

Susceptibility modes 10 through 22 were set up to determine any deviation from the Test Sample's normal steady-state output due to input susceptibility signals.

6.0 TEST RESULTS

Radiated, broadband, steady-state interference exceeded the limits of reference 1.3 in the following modes:

Mode 1 - between 0.9 to 1.3 mc by as much as 6 db.
Modes 2 & 6 - between 0.37 to 0.96 mc by as much as 5 db.
Mode 7 - between 0.45 to 1.25 mc by as much as 3 db.

Radiated, broadband, transient interference exceeded the limits of reference 1.3 in the following modes:

Mode 3 - between 0.14 to 400 mc by as much as 39 db.
Mode 4 - between 0.17 to 225 mc by as much as 37 db.
Mode 5 - between 15 to to 325 mc by as much as 19 db.

Conducted, broadband, steady-state interference exceeded the limits of reference 1.3 on the following lines:

Jack 09, Pin 1, Mode 1 - between 0.025 to 3.2 mc by as much as 40 db.
Jack 09, Pin 1, Mode 2 - between 0.05 to 2.7 mc by as much as 40 db.
Jack 09, Pin 2, Mode 1 - between 0.03 to 3.5 mc by as much as 40 db.
Jack 09, Pin 2, Mode 2 - between 0.015 to 2.9 mc by as much as 45 db.
Jack 09, Pin 3, Mode 1 - between 0.017 to 3.3 mc by as much as 32 db.
Jack 09, Pin 3, Mode 2 - between 0.033 to 2.8 mc by as much as 40 db.
Jack 09, Pin 4, Mode 1 - between 0.26 to 1.9 mc by as much as 27 db.
Jack 09, Pin 4, Mode 2 - between 0.13 to 2.5 mc by as much as 25 db.
Jack 01, Pin 20, Mode 2 - between 0.6 to 1.5 mc by as much as 2.5 db.
Jack 01, Pin 19, Mode 2 - between 0.5 to 1.0 mc by as much as 5 db.
Jack 06, Pin 17, Mode 2 - between 0.68 to 1.2 mc by as much as 3 db.

Conducted broadband, transient interference exceeded the limits of reference 1.3 on the following lines:

Jack 09, Pin 1, Mode 3 - between 0.015 to 25 mc by as much as 74 db.
Jack 09, Pin 1, Mode 4 - between 0.05 to 25 mc by as much as 70 db.
Jack 09, Pin 1, Mode 8 - between 0.03 to 25 mc by as much as 72 db.
Jack 09, Pin 2, Mode 3 - between 0.015 to 25 mc by as much as 73 db.
Jack 09, Pin 2, Mode 4 - between 0.015 to 25 mc by as much as 73 db.
Jack 09, Pin 2, Mode 8 - between 0.018 to 25 mc by as much as 70 db.
Jack 09, Pin 3, Mode 3 - between 0.015 to 25 mc by as much as 74 db.
Jack 09, Pin 3, Mode 4 - between 0.033 to 25 mc by as much as 74 db.
Jack 09, Pin 3, Mode 8 - between 0.017 to 25 mc by as much as 70 db.
Jack 08, Pin 5, Mode 5 - between 0.014 to 25 mc by as much as 37 db.
Jack 06, Pin 17, Mode 9 - between 0.015 to 25 mc by as much as 50 db.

Susceptibility tests indicated that the Test Item did not deviate from its normal steady-state voltage output of 28 $\pm$ 0.1 volts dc.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The test results indicate that conducted interference on the ac input power lines is a major problem. Conducted, steady-state interference generation on these lines is on the average 40 db above reference 1.3 limits while conducted, transient interference generation runs 70 db and up.

Reduction of conducted interference to the limits of reference 1.3 would reduce the radiated interference as well and would probably allow the Test Sample to pass almost all of the electro-interference test.

It is recommended that further testing be undertaken in order to confirm the test levels and the above-mentioned conclusions and also to establish electro-interference suppression measures.

Susceptibility tests indicated that the voltage of the Test Sample did not deviate from its normal steady-state output.

APPENDIX I:

Sample Calculations

A. BROADBAND, CONDUCTED INTERFERENCE

1. Broadband, conducted, steady-state

a. Measuring Instrument (NM-40A)

Frequency of Measurement: 30 cps to 20 kc	
Meter Reading	114 db
Factor Per Par. 6.2 (D2-9801)	-20 db
Cable Loss	0
Total db above one microampere/20 kc BW	94

b. Measuring Instrument (NM-10A)

Frequency of measurement: 20 kc	
Current Probe Factor	13 db
Cable Loss	0 db
Meter Reading	60 db kc
Conversion Factor	60 db
Band Width Factor	14 db
Total current db above one microampere/mc BW	147

c. Measuring Instrument (NF-105)

Frequency of Measurement: 0.23 mc	
Current Probe Factor	-6 db
Cable Loss	0 db
Meter Reading	129 db mc
Total current db above one microampere/mc BW	123

B. BROADBAND RADIATED INTERFERENCE

1. Broadband, radiated, steady-state

a. Measuring instrument (NM-10A)

Frequency of Measurement: 0.02 mc	
Band Width Factor	14 db
Cable Loss	0 db
Conversion Factor	60 db
Meter Reading	5 db kc
Total antenna induced db above one microvolt/mc BW	79

b. Measuring Instrument (NF-105)

Frequency of Measurement: 0.2 mc	
Antenna Factor	37 db
Cable Loss	0 db
Meter Reading	30 db mc
Total antenna induced db above one microvolt/mc BW.	67

APPENDIX II

Tabulated Data

Interference	Frequency	Mode	Jack and Pin	Data Page
Radiated	15KC - 1000MC	1	---	18, 19
↕	↕	2 & 6	-----	20, 21
		3	---	22, 23
		4	---	24, 25
		5	---	26, 27
Radiated	15KC - 1000MC	7	---	28, 29
Conducted	30C - 25MC	1	09 1	30, 31
↕	↕	2	↕	32, 33
		3	↕	34, 35
		4	↕	36, 37
		8	09 1	38, 39
		1	09 2	40, 41
		2	↕	42, 43
		3	↕	44, 45
		4	↕	46, 47
		8	09 2	48, 49
		1	09 3	50, 51
		2	↕	52, 53
		3	↕	54, 55
		4	↕	56, 57
		8	09 3	58, 59
		1	09 4	60, 61
		2	09 4	62, 63
		2	08 5	64, 65
		5	08 5	66, 67
		2	01 20	68, 69
		2	01 19	70, 71
		2	06 17	72, 73
		9	06 17	74, 75
		2	03 3	76, 77
		6	01 5	78, 79
Conducted	30C - 25MC	7	05 4	80, 81

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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODE 1

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
KC	METER READ DBKC		BW FACTOR +DB	CABLE LOSS +DB	CONVERSION FACTOR +DB			LEVEL DBMC	DBMC
15	9		16.7	<0.5	60			85.7	97
20	5		14					79	94
30	15		12.1					87.1	91
40	24		7					91	88
60	2		8.3					70.3	84
80	5		7.6					72.6	82
120	0		5.1					65.1	78
150	3		5.1	<0.5	60			68.1	77

NM-10A, SN 159-3, C/C 730-666 (9-28-61 – 6-28-61)

RECORDER	J. RUSSELL	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-5A
OBSERVER	L. DICKSON	STATION LAB # 1 "B" TEST NO. 1	SER. NO. 1284
DATA UNITS	DBKC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2788
DATE	9-7-61		PAGE 18

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NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODE 1

FREQUENCY MC	INTERFERENCE LEVEL: METER READ DBMC	ANT FACTOR +DB	CABLE LOSS DB+	LEVEL DBMC	SPEC LIMITS DBMC
.1	<30	38	<0.5	<68	77
.2	<30	37	↑	<67	75
.3	30	37	↑	67	73
.4	36	30.5	↑	66.5	71
.6	37	32	↑	71	70
.8	34	33.5	↑	67.5	69
1.2	45	28	↑	73	69
1.5	<30	28.2	↑	<58.2	69
2.4	↑	24.4	↑	<54.4	68
3.0	↑	22	↑	<52	68
4.8	↑	22.6	↑	<52.6	68
6.0	↑	20.4	↑	<50.4	67
9.6	↑	18.4	↑	<48.4	67
12	↑	19.6	↑	<49.6	67
18	↑	16	<0.5	<46	67
20	↑	16	0.5	<46	66
25	↑	16	0.5	<46	66
35	↑	8	0.7	<38	50
50	↑	↑	0.8	<38	51
70	↑	↑	1.0	<39	52
100	↑	↑	1.3	<39.3	53
150	↓	↑	1.7	<39.7	54
200	<30	↑	1.9	<39.9	55
300	35	↑	2.3	<40.3	56
350	35	↑	2.6	<40.6	57
400	35	↑	2.8	<40.8	57
500	35	↑	3.1	<41.1	58
600	<30	↑	3.4	<41.4	58
700	↑	↑	3.8	<41.8	59
800	↑	↑	4.0	<42	59
900	↓	↓	4.4	<42.4	60
1000	<30	8	4.8	<42.8	60

NF-105, SN 1883 C/C 773-713 (11-30-61 - 9-5-61)

RECORDER	J. RUSSELL	TITLE P.S. SET #1, 1284, S/N 0001		MOD. BGS-5A
OBSERVER	L. DICKSON	STATION LAB #1, 'B'	TEST NO. 1	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24 WASH.		T2-2788
DATE	9-7-61			PAGE 19

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NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODES 2 & 6

FREQUENCY	INTERFERENCE LEVEL					SPEC LIMITS
KC	METER READ DBKC	BW FACTOR +DB	CABLE LOSS +DB	CONVERSION FACTOR +DB	LEVEL DBMC	DBMC
15	13	16.7	20.5	60	87.7	97
20	7	14			81	94
30	9	12.1			81.1	91
40	11	7			78	88
60	0	8.3			68.3	84
80	5	7.6			72.6	82
120	2	5.1			67.1	78
150	3	5.1	20.5	60	68.1	77

NM-10A SN 159-3, S/C 730-666 (9-28-61 - 6-28-61)

RECORDER	J RUSSELL	TITLE P.S. SET #1, 1284, S/N 0001		MOD. BGS-SA
OBSERVER	L. DICKSON	STATION LAB #1	TEST NO. 1	SER. NO. 1284
DATA UNITS	DBKC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2788
DATE	9-7-61			PAGE 20

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NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODES 2 & 6

FREQUENCY MC	INTERFERENCE LEVEL: METER READ DBMC	ANT FACTOR +DB	CABLE LOSS +DB	LEVEL DBMC	SPEC LIMITS DBMC
.15	<30	38	<0.5	68	77
.2	34	37	↑	71	75
.3	33	37		70	73
.4	41	30.5		71.5	71
.6	43	32		75	70
.8	40	33.5		73.5	69
1.2	34	28		62	69
1.5	<30	28.2		<58.2	69
2.4	↑	24.4		<54.4	68
3.0		22		<52	68
4.8		22.6		<52.6	68
6.0		20.4		<50.4	67
9.6		18.4		<48.4	67
12		19.6	↓	<49.6	67
18		16	<0.5	<46	67
20		16	0.5	<46	66
25		16	0.5	<46	66
35		8	0.7	<38	50
50		↑	0.8	<38	51
70			1	<39	52
100			1.3	<39.3	53
150			1.7	<39.7	54
200			1.9	<39.9	55
250			2.1	<40.1	
300			2.3	<40.3	56
350			2.6	<40.6	57
400			2.8	<40.8	57
500			3.1	<41.1	58
600			3.4	<41.4	58
700			3.8	<41.8	59
800			4.0	<42	59
900	↓	↓	4.4	<42.4	60
1000	<30	8	4.8	<42.8	60

NF-105, SN 1883 C/C 773-713 (11-30-61 — 9-5-61)

RECORDER	N. RUSSELL	TITLE P.S. #1, 1284, S/N 0001		MOD. BGS-5A
OBSERVER	L. DICKSON	STATION LAB ☐ 1, B	TEST NO. 1	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2788
DATE	9-7-61			PAGE 21

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NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 3

FREQUENCY	INTERFERENCE LEVEL					SPEC LIMITS
K.C.	METER READ DB KC	BW FACTOR +DB	CABLE LOSS +DB	CONVERSION FACTOR +DB	LEVEL DBMC	DBMC
15	16	16.7	<0.5	60	92.7	97
20	.5	14			79.0	94
30	9	12.1			81.1	91
40	12	7			79.0	88
60	3	8.3			71.3	84
80	7	7.6			74.6	82
120	11	5.1			76.1	78
150	14	5.1	<0.5	60	79.1	77

NM-10A, SN 159-3 C/C 730-666 (9-28-61 — 6-28-61)

RECORDER	J. RUSSELL	TITLE P.S. SET #2-12 B4, S/N 0001	MOD. PGS-5A
OBSERVER	L. DICKSON	STATION LAB # 1 TEST NO. 1	SER. NO. 1284
DATA UNITS	KC - DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2780
DATE	9/7/61		PAGE 22

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NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 3

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READ DBMC	ANT. FACTOR DB+	CABLE LOSS DB+	LEVEL DBMC	DBMC
.15	43	38	<0.5	81	77
.2	45	37		82	75
.3	46	37		83	73
.4	55	30.5		85.5	71
.6	57	32		89	70
.8	62	33.5		95.5	69
1.2	80	28		108	69
1.3	66	28.7		94.2	69
2.4	69	24.4		93.4	68
3.0	72	22		94	68
4.8	60	22.6		82.6	68
6.0	73	20.4		93.4	67
9.6	74	18.4		92.4	67
12	58	19.6		77.6	67
18	85	16	<0.5	101	67
20	86	16	0.5	102	66
25	80	16	0.5	96	66
35	70	8	0.7	78	50
50	85		0.8	93	51
70	77		1.0	86	52
100	69		1.3	78.3	53
150	68		1.7	77.7	54
200	55		1.9	64.9	55
250	47		2.1	57.1	56
300	55		2.3	65.3	56
350	50		2.6	60.6	57
400	49		2.8	59.8	57
500	35		3.1	46.1	58
600	40		3.4	51.4	58
700	43		3.8	54.8	59
800	<30		4.0	<42	59
900	<30		4.4	<42.4	60
1000	<30	8	4.8	<42.8	60

NF-105 SN 1883 c/c 773-713 (11-30-61—9-5-61)

RECORDER	J KUSSELL	TITLE P.S. SET # 1, 1284, S/N: 0001		MOD. BGS-5A
OBSERVER	L DICKSON	STATION LAB #1 "B" TEST NO. 1		SER. NO. 1284
DATA UNITS	DB MC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2708
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 4

FREQUENCY	INTERFERENCE LEVEL					SPEC LIMITS
KC	METER READ DB KC	BW FACTOR +DB	CABLE LOSS +DB	CONVERSION FACTOR +DB	LEVEL DBMC	DBMC
15	16	16.7	<0.5	60	92.7	97
20	5	14			79	94
30	8	13.1			80.1	91
40	11	7			78	88
60	3	8.3			71.3	84
100	7	7.6			74.6	82
130	8	5.1			73.1	78
150	9	5.1	<0.5	60	74.1	77

NM-10A SN 159-3 C/C 730-666 (9-28-61 — 6-28-61)

RECORDER	J RUSSELL	TITLE P.S. SET #1-1284 S/N 0001		MOD BGS-SA
OBSERVER	L. DICKSON	STATION LAB #1	TEST NO. 1	SER. NO. 1284
DATA UNITS	DBKC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2786
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 4

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READ DBMC	ANT. FACTOR DB+	CABLE LOSS DB+	LEVEL DBMC	DBMC
.15	33	38	<0.5	71	77
.2	43	37		80	75
.3	46	37		83	73
.4	53	30.5		83.5	71
.6	56	32		88	70
.8	62	33.5		95.5	69
1.2	78	28		106	69
1.5	61	28.2		89.2	69
2.4	73	24.4		97.4	68
3.0	74	22		96	68
4.8	69	22.6		91.6	68
6.0	70	20.4		90.4	67
9.6	73	18.4		91.4	67
12	60	19.6		79.6	67
18	68	16	<0.5	84	67
20	74	16	0.5	90	66
25	72	16	0.5	89	66
35	70	8	0.7	78	50
50	79		0.8	87	51
70	73		1.0	82	52
100	66		1.3	75.3	53
150	56		1.7	65.7	54
200	47		1.9	56.9	55
250	41		2.1	51.1	55
300	50		2.3	60.3	56
350	45		2.6	55.6	57
400	32		2.8	42.8	57
500	32		3.1	43.1	58
600	32		3.4	43.4	58
700	32		3.8	43.8	59
800	<30		4.0	<42	59
900	<30		4.4	<42.4	60
1000	<30	8	4.8	<42.8	60

NF-105, SN 1883, c/c 773-713 (11-30-61 — 9-5-61)

RECORDER	J. RUSSELL	TITLE P.S. SET # 1,284, S/N 0001	MOD. BGS-5A
OBSERVER	L. DICKSON	STATION LAB #1, "B" TEST NO. 1	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2788
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 5

FREQUENCY	INTERFERENCE LEVEL					SPEC LIMITS
KC	METER READ +DB	BW FACTOR +DB	CABLE LOSS +DB	CONVERSION FACTOR +DB	LEVEL DBMC	DBMC
15	16	16.7	<0.5	60	92.7	97
20	5	14	"	"	79	94
30	7	12.1	"	"	79.1	91
40	11	7	"	"	78	88
60	3	8.3	"	"	71.3	84
80	8	7.6	"	"	75.6	82
120	5	5.1	"	"	70.1	78
150	8	5.1	<0.5	60	73.1	77

NM-10A SN 159-3 S/C 730-666 (9-28-61 — 6-28-62)

RECORDER	J. RUSSELL	TITLE P.S. SET #1-1284, S/N 0001		MOD. BGS-5A
OBSERVER	L. DICKSON	STATION LAB #1	TEST NO. 1	SER. NO. 1284
DATA UNITS	KC - DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		I2-2788
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 5

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READ DBMC	ANT. FACTOR DB +	CABLE LOSS DB +	LEVEL DBMC	DBMC
.15	35	38	<0.5	73	77
.2	34	37		71	75
.3	33	37		70	73
.4	43	30.5		73.5	71
.6	40	32		72	70
.9	42	33.5		75.5	69
1.2	47	28		75	69
1.5	30	28.2		58.2	69
2.4	43	24.4		67.4	68
3.0	34	22		56	68
4.8	<30	22.6		<52.6	68
6.0	33	20.4		53.4	67
9.6	<30	18.4		<48.4	67
12	31	19.6		50.6	67
18	58	16	<0.5	74	67
20	54	16	0.5	70	66
25	62	16	0.5	78	66
35	65	8	0.7	73	50
50	59		0.8	67	51
70	61		1.0	70	52
100	61		1.3	70.3	53
150	55		1.7	64.7	54
200	64		1.9	73.9	55
250	50		2.1	60.1	55
300	57		2.3	67.3	56
350	41		2.6	51.6	57
400	51		2.8	61.8	57
500	38		3.1	49.1	58
600	32		3.4	43.4	58
700	32		3.8	43.8	59
800	<30		4.0	<42	59
900	<30		4.4	<42.4	60
1000	<30	8	4.8	<42.8	60

NF-105 SN 1883 C/C 773-713 (11-30-61 — 9-5-61)

RECORDER	J. RUSSELL	TITLE	P.S. SET # 1-1284, S/N 0001		MOD. BGS-SR
OBSERVER	L. DICKSON	STATION	LAB # 1	TEST NO. 1	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION	BOEING AIRPLANE COMPANY	SEATTLE 24, WASH.	T2-2788
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODE 7

FREQUENCY	INTERFERENCE LEVEL					SPEC LIMITS
KC	METER READ DBKC	BW FACTOR +DB	CABLE LOSS +DB	CONVERSION FACTOR +DB	LEVEL DBMC	DBMC
15	13	16.7	<0.5	60	89.7	97
20	6	14			80	94
30	9	12.1			81.1	91
40	20	7			87	88
60	1	8.3			69.3	84
80	5	7.6			72.6	82
120	2	5.1			67.1	78
150	4	5.1	<0.5	60	69.1	77

NM-10A SN 159-3 c/c 730-666 (9-28-61 — 6-28-61)

RECORDER	J. RUSSELL	TITLE R.S. SET #1-1284, S/N 0001		MOD BGS-5A
OBSERVER	L. DICKSON	STATION LAB #1	TEST NO. 1	SER. NO. 1284
DATA UNITS	KC-DB	AEROSPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2795
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODE 7

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READ DBMC	ANT. FACTOR +DB	CABLE LOSS +DB	LEVEL DBMC	DBMC
.15	33	38	<0.5	71	77
.2	31	37	↓	68	75
.3	32	37		69	73
.4	39	30.5		69.5	71
.6	40	32		72	70
.8	40	33.5		73.5	69
1.2	43	28		71	69
1.5	<30	28.2		<58.2	69
2.4	<30	24.4		<54.4	68
3.0	<30	22		<52	68
4.8	<30	22.6		<52.6	68
6.0	<30	20.4		<50.4	67
9.6	<30	18.4		<48.4	67
12	<30	19.6	↓	<49.6	67
18	40	16	<0.5	56	67
20	<30	16	0.5	<46	66
25	35	16	0.5	51	66
35	<30	8	0.7	<38	50
50	↑	↑	0.8	<38	51
70			1.0	<39	52
100			1.3	<39.3	53
150			1.7	<39.7	54
200			1.9	<39.9	55
250			2.1	<40.1	55
300			2.3	<40.3	56
350			2.6	<40.6	57
400			2.8	<40.8	57
500			3.1	<41.1	58
600			3.4	<41.4	58
700			3.8	<41.8	59
800			4.0	<42	59
900	↓	↓	4.4	<42.4	60
1000	<30	8	4.8	<42.8	60

NF-105 SN 1883 c/c 773-713 (11-30-61 — 9-5-61)

RECORDER	J. RUSSELL	TITLE	P.S. SET #1, 1284, S/N 0001	MOD. BGS-5A
OBSERVER	L. DICKSON	STATION	LAB #1 "B" TEST NO. 1	SER. NO. 1284
DATA UNITS	DB-MC	AERO-SPACE DIVISION	BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	TZ-27085
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BROADBAND [L-] RADIATED [ ] STABILIZATION NETWORK [L-] TRANSIENT [ ]

NARROWBAND [ ] CONDUCTED [L-] CURRENT PROBE [L-] STEADY STATE [L-]

MODE 1 JACK 09 PIN 1

FREQUENCY	INTERFERENCE LEVEL							SPEC LIMITS
KC	METER READ DBKC	BW FACTOR +DB	PROBE FACTOR -DB	CABLE LOSS +DB	CONVERSION FACTOR +DB	LEVEL DBMA		DBMA
15	61	16.7	-16.5	20.5	60	154.2		157
20	60	14	-13	↓	↑	147		150
30	64	12.1	-9	↓	↑	145.1		141
40	74	7	-7	↓	↑	148		135
60	61	8.3	-3	↓	↑	132.3		125
80	70	7.6	0	↓	↑	137.6		118
120	69	5.1	3	↓	↑	131.1		109
150	60	5.1	4.5	20.5	60	120.6		104
						DB ABOVE 1 μAMP /20KC		DB ABOVE 1 μAMP /20KC
CPS 30	DB							
↓	114					94		100
15000								

NM-40A, SN 246-4, CAL 718-658 (9-12-61 — 6-16-61)
NM-10A, SN 159-3, CAL 730-666 (9-28-61 — 6-28-61)
CURRENT PROBE 273-95

RECORDER	R. ATKINSON	TITLE P.S. SET #1,1284, S/N 0001	MOD. BGS-5A
OBSERVER	B. GLASS	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2788
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 1 JACK 09 PIN 1

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READ DBMC	PROBE FACTOR -DB	CABLE LOSS +DB	LEVEL DBMA	DBMA
.15	134	4.5	<0.5	129.5	104
.23	129	6		123	92
.3	131	8.5		122.5	87
.4	122	10		112	80
.53	122	11		111	75
.8	115	12.5		102.5	65
1.1	103	13		90	57
1.5	90	14		76	50
2.5	74	14		60	50
3	72	14		58	50
3.5	58	14		44	50
5	<30	14		<16	50
7	↑	14		↑	48
10		14	↓		48
15		14	<0.5	↓	47
20	↓	14	0.5	<16	47
25	<30	14	0.5	<16	47

ATTENUATOR BAC 54308 C/C 744-624 (10-18-1 — 4-28-1)
CURRENT PROBE 273-95
NF-105 SN 1883 C/C 773-713 (11-30-61 — 9-5-61)

RECORDER	R. ATKINSON	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-5A
OBSERVER	B. GLASS	STATION LAB #1 "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2768
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 2 JACK 09 PIN 1

FREQUENCY	INTERFERENCE LEVEL						SPEC LIMITS
KC	METER READ DBKC	BW FACTOR +DB	PROBE FACTOR -DB	CABLE LOSS +DB	CONVERSION FACTOR +DB	LEVEL DBMA	DBMA
15	70	16.7	-16.5	<0.5	60	163.2	157
20	59	14	-13			146	150
30	58	12.1	-9			139.1	141
40	56	7	-7			130	135
60	57	8.3	-3			128.3	125
80	76	7.6	0			143.6	118
120	65	5.1	3			127.1	109
150	75	5.1	4.5	<0.5	60	135.6	104
						DB ABOVE 1 μAMP /20KC	DB ABOVE 1 μAMP /20KC
CPS	DB						
30							
	120					100	100
15000							

NM-40A, SN 2416-4, CAL 718-658 (9-12-1 — 6-16-1)
NM-10A, SN 159-3, CAL 730-666 (9-28-1 — 6-28-1)
CURRENT PROBE 273-95

RECORDER	R. ATKINSON	TITLE P.S. SET # 1,1284, S/N 0001	MOD. BGS-5A
OBSERVER	B. GLASS	STATION LAB # 1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC - DB	BOEING AIRPLANE COMPANY AERO-SPACE DIVISION SEATTLE 24, WASH.	T2-2708
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 2 JACK 09 PIN 1

FREQUENCY	INTERFERENCE LEVEL					SPEC LIMITS
MC	METER READ DBMC	PROBE FACTOR -DB	CABLE LOSS +DB		LEVEL DBMA	DBMA
.15	133	4.5	<0.5		128.5	104
.22	133	6	↑		127	95
.27	133	8	↑		125	90
.32	131	9	↑		122	85
.45	130	11	↑		119	77
.8	118	13	↑		105	75
.94	118	13	↑		105	60
1.5	88	14	↑		74	50
2 3	85	↑	↑		71	50
2.8	64	↑	↑		50	50
4.0	<30	↑	↑		<16	50
5	↓	↑	↑		↑	50
7	↓	↑	↑		↑	48
10	↓	↑	↑		↑	48
15	↓	↑	<0.5		↑	47
20	↓	↓	0.5		↓	47
25	<30	14	0.5		<16	47

NF-105 SN 1883 C/C 773-713 (11-30-61 — 9-5-61)

ATTENUATOR BAC 54208 C/C 744-624 (10-18-1 — 4-28-1)

CURRENT PROBE 273-95

RECORDER	R. ATKINSON	TITLE P.S. SET # 1, 1284, S/N 0001	MOD. BGS-5A
OBSERVER	B. GLASS	STATION LAB # 1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2706
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

MODE 3 JACK 09 PIN 1

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
KC	METER READ DBKC		BW FACTOR +DB	PROBE FACTOR -DB	CABLE LOSS +DB	CONVER SION FACTOR +DB		LEVEL DBMA	DBMA
15	73		16.7	-16.5	20.5	60		166.2	157
20	63		14	-13	↓	↓		150	156
30	61		12.1	-9	↓	↓		142.1	141
40	63		7	-7	↓	↓		137	135
60	65		8.3	-3	↓	↓		136.3	125
80	76		7.6	0	↓	↓		143.6	118
120	65		5.1	3	↓	↓		127.1	109
150	75		5.1	4.5	20.5	60		135.6	104
								DB ABOVE 1 μ AMP /20KC	DB ABOVE 1 μ AMP /20KC
CPS	DB								
30									
↓	*121							101	100
15000									

NM-40A, SN 246-4, CAL 718-658 (9-12-1 — 6-16-1)

NM-10A, SN 159-3, CAL 730-666 (9-28-1 — 6-28-1)

CURRENT PROBE 273-95

* STEADY STATE NOISE OBSCURES TRANSIENT NOISE

RECORDER	R. ATKINSON	TITLE P.S. SET #1,1284, S/N 0001	MOD. BGS-5A
OBSERVER	R. GLASS	STATION LAB #1 "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	BOEING AIRPLANE COMPANY AERO-SPACE DIVISION SEATTLE 24, WASH.	T2-2785
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

MODE 3 JACK 09 PIN 1

FREQUENCY MC	METER READ DBMC	PROBE FACTOR -DB	CABLE LOSS +DB	LEVEL DBMA	SPEC LIMITS DBMA
.15	*133	4.5	<0.5	128.5	104
.2	*133	6	↑	127	97
.3	*133	8.5	↑	124.5	87
.4	118	10	↑	108	80
.6	128	11	↑	117	71
.8	123	12	↑	111	65
1.2	137	13	↑	124	55
1.5	137	14	↑	124	50
2.5	132	↑	↑	118	50
3	129	↑	↑	115	50
4	117	↑	↑	103	50
5	111	↑	↑	97	50
7	107	↑	↑	93	48
10	109	↑	↓	95	48
15	92	↑	<0.5	78	47
20	105	↓	0.5	91	47
25	106	14	0.5	92	47

* STEADY STATE NOISE OBSCURES TRANSIENT NOISE

CURRENT PROBE 273-95 (10-18-61)

ATTENUATOR BAC 54308 c/c 744-624 (4-28-61

NF-105 SN 1883 c/c 773-713 (11-30-1 — 9-5-1)

RECORDER	R ATKINSON	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-5A
OBSERVER	B. GLASS	STATION LAB #1 "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24 WASH.	T2-2760
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

MODE 4 JACK 09 PIN 1

FREQUENCY	INTERFERENCE LEVEL							SPEC LIMITS
KC	METER READ DBKC	BW FACTOR + DB	PROBE FACTOR - DB	CABLE LOSS DB+	CONVERSION FACTOR DB+		LEVEL DBMA	DBMA
15	70	16.7	-16.5	<0.5	60		163.2	157
20	60	14	-13				147	150
30	58	12.1	-9				139.1	141
40	56	7	-7				130	135
60	57	8.3	-3				128.3	125
80	77	7.6	0				144.6	118
120	62	5.1	3				124.1	109
150	75	5.1	4.5	<0.5	60		135.6	104
							DB ABOVE 1 μ AMP /20KC	DB ABOVE 1 μ AMP /20KC
CPS	DB							
30								
	*119						99	100
15,000								

NM-40A, SN 246-4, CAL. 718-658 (9-12-61 - 6-16-61)
NM-10A, SN 159-3, CAL. 730-666 (9-28-61 - 6-28-61)
CURRENT PROBE 273-95
* STEADY STATE NOISE OBSCURES TRANSIENT NOISE

RECORDER	R. ATKINSON	TITLE	P.S. SET #1,284, S/N 0001	MOD.	BGS-5A
OBSERVER	B. GLASS	STATION	LAB. #1, "B" TEST NO. 2	SER. NO.	1284
DATA UNITS	DBKC-DB	AERO-SPACE DIVISION	BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2788
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

Mode 4 Jack 09 Pin 1

FREQUENCY	INTERFERENCE LEVEL					SPEC LIMITS
MC	METER READ DBMC		PROBE FACTOR -DB	CABLE LOSS DB+	LEVEL DBMA	DBMA
.15	*136		4.5	<0.5	131.5	104
.2	*133		6		127	97
.3	*132		8.5		123.5	87
.4	*123		10		113	80
.6	*131		11		120	71
.8	132		12		120	65
1.2	137		13		124	55
1.6	134		14.7		119.3	50
2.4	105		14		91	50
3.2	130				116	50
4.8	112				98	49
6.4	110				96	48
9.6	97				83	48
12	97			<0.5	83	48
18	80			0.5	66	47
22	89			0.5	75	47
25	98		14	0.5	84	47

NF - 105 SN 1883 C/C 773-713 (11-30-61 — 9-5-61)

ATTENUATOR BAC 54208 C/C 744-624 (10-18-1 — 4-28-)

ATTENUATOR BAC 159911-A C/C 825-705 (2-15-62 - 8-23-61)

CURRENT PROBE 273-95

*STEADY STATE NOISE OBSCURES TRANSIENT NOISE

RECORDER	R. ATKINSON	TITLE	E.S. SET # 1, 1284, S/N 0001	MOD.	865-5A
OBSERVER	B. GLASS	STATION	LAB # 1, "B" TEST NO. 2	SER. NO.	1294
DATA UNITS	DBMC	AERO-SPACE DIVISION	BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2786
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

MODE 8 JACK 09 PIN 1

FREQUENCY	INTERFERENCE LEVEL							SPEC LIMITS
KC	METER READ DBKC	BW FACTOR DB+	PROBE FACTOR DB-	CABLE LOSS DB+	CONVERSION FACTOR DB+		LEVEL DBMA	DBMA
15	66	16.7	-16.5	<0.5	60		159.2	157
20	61	14	-13	↑	↑		148	150
30	60	12.1	-9	↑	↑		141.1	141
40	71	7	-7	↑	↑		145	135
60	61	8.3	-3	↑	↑		132.3	125
80	73	7.6	0	↑	↑		140.6	118
120	71	5.1	3	↑	↑		133.1	109
150	62	5.1	4.5	<0.5	60		122.6	104
							DB ABOVE 1 MAMP /20 KC	DB ABOVE 1 MAMP /20 KC
CPS	DB							
30 ↓ 15,000	*112						92	100

NM-40A, SN 246-4, CAL 718-658 (9-12-61 — 6-16-61)
NM-10A, SN 159-3, CAL 730-666 (9-28-61 — 6-28-61)
CURRENT PROBE 273-15
* STEADY STATE NOISE OBSCURES TRANSIENT NOISE

RECORDER	R. ATKINSON	TITLE P.S. SET #1, 1284, S/N 0001		MOD. BGS-5A
OBSERVER	B. GLASS	STATION LAB #1, "B"	TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC	BOEING AIRPLANE COMPANY AERO-SPACE DIVISION SEATTLE 24, WASH.		T2-2708
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

Mode 8 Jack 09 Pin 1

FREQUENCY MC	INTERFERENCE LEVEL: METER READ DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	LEVEL DBMC	SPEC LIMITS DBMA
.15	*131	4.5	<0.5	126.5	104
.2	*130	6		124	97
.3	*131	8.5		122.5	87
.4	*127	10		117	80
.6	*121	11		110	71
.8	131	12		119	65
1.2	131	13		118	55
1.6	133	14.7		118.3	50
2.4	136	14		122	50
3.2	130			116	50
4.8	113			99	49
6.4	110			96	48
9.6	102			88	48
12	104		<0.5	90	48
18	96		0.5	82	47
22	85		0.5	71	47
25	86	14	0.5	72	47

NF-105 SN 1883 C/C 773-713 (11-30-61 — 9-5-61)

ATTENUATOR BAC 54208, C/C 744-624 (10-18-61 — 4-28-61)

ATTENUATOR BAC 159911-A, C/C 825-705 (2-15-62 — 8-23-61)

CURRENT PROBE 273-95

*STEADY STATE NOISE EXCEEDS TRANSIENT NOISE

RECORDER R. ATKINSON	TITLE PS SCT # 1,284, S/N 0001		MOD BGS-5A
OBSERVER B. GLASS	STATION LAB #1, "B"	TEST NO. 2	SER. NO. 1284
DATA UNITS DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-27BC
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 1, JACK 09 PIN 2

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
KC	METER READ DB	BW FACTOR DB +	PROBE FACTOR DB-	CABLE LOSS DB +	CONVERSION FACTOR DB +		LEVEL DBMA		DBMA
15	59	16.7	-15	<0.5	60		150.7		157
20	63	14	-12.5				149.5		150
30	61	12.1	-8.7				141.8		141
40	76	7	-6.2				149.2		135
60	59	8.3	-2.9				130.2		125
80	68	7.6	-0.7				136.3		118
120	70	5.1	2.4				132.7		109
150	65	5.1	4	<0.5	60		126.1		104
						DB ABOVE 1μ AMP /120KC			DB ABOVE 1μ AMP /120KC
CPS									
30									
↓	113					93			100
15,000									

NM-10A SN246-4, C/C 718-665 (9-12-61 — 6-16-61)

NM-10A SN157-3, C/C 730-666 (9-28-61 — 6-28-61)

CURRENT PROBE 277-67

*STEADY STATE NOISE OBSERVED IS TRANSIENT NOISE

RECORDER	L. DICKSON	TITLE P.S. SET # 1,254, S/N 0001	MOD. BGS-5A
OBSERVER	J. RUSSELL	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	BOEING AIRPLANE COMPANY AERO-SPACE DIVISION SEATTLE 24, WASH.	IZ-2786
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 1, JACK 09 PIN 2

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READ DBMC	PROBE FACTOR DB-	CABLE LOSS DB+	LEVEL DBMA	DBMA
.15	126	5.5	<0.5	120.5	104
.2	129	7.4		121.6	97
.3	130	9.9		120.1	87
.4	125	11.2		113.8	80
.6	121	11.5		109.5	71
.8	111	12.4		98.6	65
1.2	98	13.2		84.8	55
1.6	81	13.6		67.4	50
2.4	74	13.8		60.2	50
3.2	68	14.9		53.1	50
4.8	48	14		34	49
6.4	<34	14		<20	48
9.6	<34	14		<20	48
12	<34	14	<0.5	<20	48
18	<34	13.5	0.5	<20.5	47
22	<34	13.1	0.5	<20.9	47
25	<34	12.8	0.5	<21.2	47

ATTENUATOR BAC 15991I-A C/C 825-705 (2-15-62 — 8-23-61)
NF-105 SN 1883 4c 773-713 (11-30-61 — 9-5-61)
CURRENT PROBE 345-18 & CURRENT PROBE 277-67

RECORDER	R. ATKINSON	TITLE P.S. SET #1, 1254, S/N 0001		MOD. BGS-5A
OBSERVER	B. GLASS	STATION LAB #1, "B"	TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2786
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 2, JACK 09 PIN 2

FREQUENCY	INTERFERENCE LEVEL							SPEC LIMITS
KC	METER READ DBKC	BW FACTOR DB+	PROBE FACTOR DB-	CABLE LOSS DB+	CONVERSION FACTOR +DB		LEVEL DBMA	DBMA
15	67	16.7	-15	<0.5	60		158.7	157
20	70	14	-12.5	↑	↑		156.5	150
30	61	12.1	-8.7				141.8	141
40	68	7	-6.2				141.2	135
60	65	8.3	-2.9				136.2	125
80	68	7.6	-0.7				136.3	118
120	72	5.1	2.4	↓	↓		134.7	109
150	79	5.1	4	<0.5	60		140.1	104
							DB ABOVE 1μ AMP /120KC	DB ABOVE 1μ AMP /120KC
CPS								
30 ↓								
	120						100	100
15,000								

NM-40A, SN 246-4 ; C/C 718-658 (9-12-61 — 6-16-61)
NM-10A, SN 159-3 ; C/C 730-666 (9-28-61 — 6-28-61)
CURRENT PROBE 277-67

RECORDER L DICKSON	TITLE P.S. SET #1 - 1284 S/N 0001		MOD. BGS-SA
OBSERVER J RUSSELL	STATION LAB #1, "B" TEST NO. 2		SER. NO. 1284
DATA UNITS DBKC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2760
DATE 9/9/61			PAGE 42

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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 2, JACK 09, PIN 2

FREQUENCY	INTERFERENCE LEVEL					SPEC LIMITS
MC	METER READ DBMC	PROBE FACTOR DB-	CABLE LOSS DB+		LEVEL DBMA	DBMA
.15	131	5.5	<0.5		125.5	104
.2	133	7.4			125.6	97
.3	133	9.9			123.1	87
.4	137	11.2			125.8	80
.6	122	11.5			110.5	71
.8	113	12.4			100.6	65
1.2	95	13.2			81.8	55
1.6	83	13.6			69.4	50
2.4	78	13.8			64.2	50
3.2	58	14.9			43.1	50
4.8	44	14			30	49
6.4	<34	14			<20	48
9.6	<34	14			<20	48
12	<34	14	<0.5		<20	45
18	<34	13.5	0.5		<20.5	47
22	<34	13.1	0.5		<20.9	47
25	<34	12.8	0.5		<21.2	47

ATTENUATOR BAC 159911-A, ✓ 825-705 (2-15-62 — 8-23-61)
CURRENT PROBE 345-18 & CURRENT PROBE 277-67
NF-105 SN 1883 c/c 773-713 (11-30-61 — 9-5-61)

RECORDER	R. ATKINSON	TITLE	P.S. SCT #1, 1284 S/N 0001	MOD.	BGS-5A
OBSERVER	R. GLASS	STATION	LAB #1, "B" TEST NO. 2	SER. NO.	1284
DATA UNITS	DBMC	AERO-SPACE DIVISION	BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2780
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

MODE 3, JACK 09 PIN 2

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
KC	METER READ DBKC		BW FACTOR DB+	PROBE FACTOR DB-	CABLE LOSS DB+	CONVERSION FACTOR DB+		LEVEL DBMA	DBMA
15	69		16.7	-15	<0.5	60		160.7	157
20	71		14	-12.5	↓	↓		157.5	150
30	65		12.1	-8.7				145.8	141
40	69		7	-6.2				142.2	135
60	67		8.3	-2.9				138.2	125
80	69		7.6	-0.7				137.3	118
120	71		5.1	2.4	↓	↓		133.7	109
150	79		5.1	4	<0.5	60		140.1	104
								DB ABOVE 1 MAMP /20KC	DB ABOVE 1 MAMP /20KC
CPS	DB								
30									
↓	*120							100	100
15,000									

NM-40A, SN 246-4, C/C 718-658 (9-12-61 — 6-16-61)
NM-10A, SN 159-3, C/C 730-666 (9-28-61 — 6-28-61)
CURRENT PROBE 272-67
*STEADY STATE NOISE OBSCURES TRANSIENT NOISE

RECORDER	L DICKSON	TITLE DS SET #1, 1284, S/N 0001		MOD. BGS-SA
OBSERVER	J RUSSELL	STATION LAB "1" "B"	TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24 WASH.		T2-2708
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

MODE 3, JACK 09, PIN 2

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READ DBMC	PROBE FACTOR -DB	CABLE LOSS +DB	LEVEL DBMA	DBMA
.15	*131	5.5	0.5	125.5	104
.2	*133	7.4		125.6	97
.3	*133	9.9		123.1	87
.4	*132	11.2		120.8	80
.6	133	11.5		121.5	71
.8	134	12.4		121.6	65
1.2	132	13.2		118.2	55
1.6	134	13.6		120.4	50
2.4	136	13.8		122.2	50
3.2	130	14.9		115.1	50
4.8	122	14		108	49
6.4	112	14		98	48
9.6	113	14		99	48
12	115	14		101	48
18	102	13.5	0.5	88.5	47
22	105	13.1	0.5	91.9	47
25	106	12.8	0.5	93.2	47

ATTENUATOR BAC 159911-A, C/C 825-705 (2-15-62-8-23-1)
CURRENT PROBES 345-18 & 277-67
* STEADY STATE NOISE OBSCURES TRANSIENT NOISE
NF-105 SN 1883 C/C 773-713 (11-30-61 — 9-5-61)

RECORDER L. DICKSON	TITLE P.S. SET #1, 1284, S/N 0001		MOD. BGS-5A
OBSERVER J. RUSSELL	STATION LAB #1 "B"	TEST NO. 2	SER. NO. 1284
DATA UNITS DBMC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24 WASH.		T2-2706
DATE 9/18/61			PAGE 45

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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

MODE 4, JACK 09, PIN 2

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
KC	METER READ DBKC		BW FACTOR DB+	PROBE FACTOR DB-	CABLE LOSS DB+	CONVERSION FACTOR DB+		LEVEL DBMA	DBMA
15	67		16.7	-15	<0.5	60		158.7	157
20	70		14	-12.5				156.5	150
30	60		12.1	-8.7				140.8	141
40	67		7	-6.2				140.2	135
60	66		8.3	-2.9				137.2	125
80	69		7.6	-0.7				137.3	118
120	70		5.1	2.4				132.7	109
150	78		5.1	4	<0.5	60		139.1	104
								DB ABOVE 1μAMP /20KC	DB ABOVE 1μAMP /20KC
CPS	DB								
30									
	*120							100	100
15,000									

NM-40A, SN 246-4, C/C 718-658 (9-12-61 — 6-16-61)

NM-10A, SN 159-3, C/C 730-666 (9-28-61 — 6-28-61)

CURRENT PROBE 277-67

*STEADY STATE NOISE OBSCURES TRANSIENT NOISE

RECORDER	L. DICKSON	TITLE P.S. SET #1, 1284, S/N 0001		MOD. BGS-5A
OBSERVER	J. RUSSELL	STATION LAB #1, "B"	TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	BOEING AIRPLANE COMPANY		TZ-27865
DATE	9/2/61	AERO-SPACE DIVISION	SEATTLE 24, WASH.	PAGE 46

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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

MODE 4, JACK 09, PIN 2

FREQUENCY	INTERFERENCE LEVEL					SPEC LIMITS
MC	METER READ DBMC	PROBE FACTOR DB -	CABLE LOSS DB +		LEVEL DBMA	DBMA
.15	*135	5.5	<0.5		129.5	104
.2	*136	7.4	"		128.6	97
.3	*135	9.9	"		125.1	87
.4	*128	10			118	80
.6	125	11.5			113.5	71
.8	127	12.4			114.6	65
1.2	127	13.2			113.8	55
1.6	130	13.6			116.4	50
2.4	136	13.8			122.2	50
3.2	126	14.9			111.1	56
4.8	116	14			102	49
6.4	111	14			97	48
9.6	97	14			83	48
12	106	14			92	48
18	84	13.5			70.5	47
22	85	13.1	"		71.9	47
25	88	12.8	<0.5		75.2	47

NF-105 SN 1883 S/C 773-713 (11-30-61 — 9-5-61)

ATTENUATOR BAC 15991I-A, S/C 825-705 (2-15-62 — 8-28-1)

ATTENUATOR BAC 54206, S/C 744-624 (10-18-1 — 4-28-1)

CURRENT PROBE 345-18, 2 CURRENT PROBE 222-67

*STEADY STATE NOISE OBSERVED TRANSIENT NOISE

RECORDER L	DICKENSON	TITLE T.S. SET #1,284, S/N: 0001		MOD. BGS-5A
OBSERVER J	RUSSELL	STATION LAB H 1, "B"	TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2788
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

MODE 8, JACK 09 PIN 2

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
KC	METER READ DBKC		BW FACTOR +DB	PROBE FACTOR -DB	CABLE LOSS +DB	CONVERSION FACTOR +DB		LEVEL DBMA	DBMA
15	61		16.7	-15	<0.5	60		152.7	157
20	66		14	-12.5	↑	↑		152.5	150
30	64		12.1	-8.7				144.8	141
40	72		7	-6.2				145.2	135
60	61		8.3	-2.9				132.2	125
80	72		7.6	-0.7				140.3	118
120	70		5.1	2.4				132.7	109
150	67		5.1	4	<0.5	60		128.1	104
								DB ABOVE 1 μAMP /20KC	DB ABOVE 1 μAMP /20KC
CPS	DB								
30									
↓	112							92	100
15000									

NM-40A, SN 246-4, c/c 718-658 (9-12-61 — 6-16-61)
NM-10A, SN 159-3, c/c 730-666 (9-28-61 — 6-28-61)
CURRENT PROBE 277-67

RECORDER	L. DICKSON	TITLE P.S. SET #1,1284, S/N 0001	MOD. BGS-5A
OBSERVER	J. RUSSELL	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC - DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

MODE 8 JACK 09 PIN 2

FREQUENCY MC	METER READ DBMC	PROBE FACTOR DB-	CABLE LOSS DB+	LEVEL DBMA	SPEC LIMITS DBMA
.15	*133	5.5	<0.5	*127.5	104
.2	*130	7.4	1	122.6	97
.3	*131	9.9		121.1	87
.4	*126	10		116	80
.6	122	11.5		110.5	71
.8	124	12.4		111.6	65
1.2	130	13.2		116.8	55
1.6	130	13.6		116.4	50
2.4	134	13.8		120.2	50
3.2	134	14.9		119.1	50
4.8	119	14		105	49
6.4	115	14		101	48
9.6	106	14		92	48
12	107	14		93	48
18	90	13.5		76.5	47
22	85	13.1	↓	71.9	47
25	84	12.8	<0.5	71.2	47

NF - 105 SN 1883 c/c 773-713 (11-30-61 — 9-5-61)

ATTENUATOR BAC 159911-A, c/c 825-705 (2-15-62 — 8-23-61)

ATTENUATOR BAC 54208, c/c 744-624 (10-18-61 — 4-28-61)

CURRENT PROBES 345-18 & 277-67

* STEADY STATE NOISE OBSCURES TRANSIENT NOISE

RECORDER L. DICKSON	TITLE P.S. SET #1, 1884, S/N 0001		MOD. BGS-5A
OBSERVER J. RUSSELL	STATION LAB #1 "B" TEST NO. 2		SER. NO. 1284
DATA UNITS DBMC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24 WASH.		T2-2706
DATE 9-9-61			PAGE 49

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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 09 PIN 3 MODE 1

FREQUENCY	INTERFERENCE LEVEL					SPEC LIMITS
KC	METER DB KC	BW COR FACT. DB+	PROBE -DB	+60 DB CONV. FACT DB	LEVEL DBμA	DBμA
15	60	16.7	-16	60	152.7	157
20	68	14	-12		154	150
30	68	12.1	-8		148.1	141
40	79	7	-6		152	135
60	63	8.3	-3		134.3	125
80	75	7.6	0		142.6	118
120	65	5.1	3		127.1	109
150	66	5.1	4	60	127.1	104
CPS	DB				DBμA	DBμA
30					20 KC	20 KC
↓	112				92	100
15,000						

NM-40A SN 246-4 CAL. DATE 668-718 (9-12-61 — 6-16-61)

NM-10A SN 159-3 CAL. DATE 666-730 (9-28-61 — 6-28-61)

CUR. PROBE SN 277-66

RECORDER	L. DICKSON	TITLE PS SET # 1 A-1284, S/N 001		MOD. BGS-SB
OBSERVER	J. RUSSELL	STATION PTL # 1 201	TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24 WASH.		T2-2766
DATE	9-8-61			PAGE 50

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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 01 PIN 3 MODE 1

FREQUENCY	INTERFERENCE LEVEL									SPEC LIMITS
MC	METER READ DBMC	PROBE FACT. DB			LEVEL DBuA					DBuA
.1	120	4			116					105
.2	122	6			116					99
.3	127	8			119					89
.4	124	10			114					92
.6	122	11			111					73
.8	109	12			97					66
1.2	101	13			88					56
1.6	83	13			70					50
2.4	71	14			57					50
3.2	66	↑			52					49
4.8	40				26					49
6.4	34				20					43
9.6	34				20					47
12	↑	↓			20					47
18		14			20					46
22	↓	13			21					46
25	34	13			21					46

NE-105 SN 1883 CAL. DATE 713-773 (11-30-61 — 9-5-61)

CUR. PROBE SN 277-66

ATTENUATOR BAC 159911-A c/c 825-705 (2-15-62 — 8-23-62)

RECORDER	L. DICKSON	TITLE PS SET #1 A-1284, S/N 0001		MOD. BGS-5A
OBSERVER	J. RUSSELL	STATION PTL#1 201	TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2708
DATE	9-8-61			PAGE-51

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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 09 PIN 3 MODE 2

FREQUENCY	INTERFERENCE LEVEL										SPEC LIMITS
KC	METER DB KC	BW COR FACT DB	PROBE DB	CONV FACT DB		LEVEL DB mA					DB mA
15	68	16.7	-16	60		168.7					157
20	70	14	-12			156					150
30	57	12.1	-8			137.1					141
40	67	7	-6			140					135
60	64	8.3	-3			132.3					125
80	73	7.6	0			140.6					118
120	66	5.1	3			129.1					109
150	69	5.1	4	60		130.1					104
CPS	DB										DB mA
30											20 KC
↓	117										100
15,000											

NM-10A SN 246-4 CAL. DATE 663-718 (9-12-61 — 6-16-61)
NM-10A SN 159-3 CAL. DATE 666-730 (9-28-61 — 6-28-61)
CUR. PROBE SN 217-(illegible)

RECORDER	L. DICKSON	TITLE (illegible SAT #1) A1284 (illegible) 0001	MIL-STD-461
OBSERVER	J. RUSSELL	STATION PTL #1 201 TEST NO.	SER. NO. 204
DATA UNITS	DBKC-DB	BOEING AIRPLANE COMPANY AEROSPACE DIVISION SEATTLE 24, WASH.	T2-27
DATE	9-8-61		PAGE 52

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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JAC-K 09 PIN 3 MOTOR 2

FREQUENCY	INTERFERENCE LEVEL										SPEC LIMITS
MC	METER READ. DBMC	PROBE FACT. DB			LEVEL DBMA						DBMA
.1	132	4			126						105
.2	133	6			127						98
.3	129	8			121						89
.4	123	10			113						82
.6	124	11			113						73
.8	116	12			104						66
1.2	103	13			90						54
1.6	85	13			72						50
2.4	80	14			66						50
3.2	52	|			38						44
4.8	44	|			30						49
6.4	34	|			20						43
9.6	|	|			20						47
12	|	|			20						47
18	|	14			20						46
22	|	13			21						46
25	34	13			21						46

NF-105, SN 1883, CAL 775-713 (11-30-61 — 9-5-61)
CURRENT PROBE 277-66
ATTENUATOR BAC 159911-A c/c 825-705 (2-15-62 — 8-3[illegible]-61)

RECORDER	L. DICKSON	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-511
OBSERVER	J. RUSSELL	STATION LAB #1 "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	TE-270
DATE	9-8-61		PAGE 53

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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 3 MODE 3

FREQUENCY	INTERFERENCE LEVEL									SPEC LIMITS
KC	METER DB KC	BW COR FACT DB	PROBE DB	CONV. FACT. DB		LEVEL DB µA				DB µA
15	72	16.7	-16	60		164.7				157
20	72	14.	-12			158				150
30	64	12.1	-8			144.1				141
40	64	7	-6			142				135
60	67	8.2	-3			138.2				125
80	74	7.6	0			141.6				118
120	69	5.1	3			131.1				109
150	71	5.1	4	60		132.1				104
CPS 30 ↓ 15,000	117					DB µA 20KC 97				DB µA 20KC 100

NM-40A SN 296-4 CAL. DATE 668-718 (9-12-61 — 6-16-61)

NM-10A SN 159-3 CAL. DATE 666-730 (9-28-61 — 6-28-61)

CUR. PROBE SN 277-66

RECORDER	L. DICKSON	TITLE P/A EUT #1 A-12 [illegible]	MOD. 66-96
OBSERVER	J. RUSSELL	STATION PTL #1 201 TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2705
DATE	9-8-61		PAGE 54

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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 3 MODE 3

FREQUENCY	INTERFERENCE LEVEL									SPEC LIMITS
MC	METER READ. DBMC	PROBE FACT. DB			LEVEL DBuA					DBuA
.15	135	4			131					105
.2	131	6			125					98
.3	130	8			122					89
.4	124	10			114					82
.6	132	11			121					73
.8	137	12			125					66
1.2	133	13			125					56
1.6	119	13			106					50
2.4	137	14			123					50
3.2	123	|			109					49
4.8	109	|			95					49
6.4	108	|			94					48
9.6	113	|			99					47
12	117	|			103					47
18	106	14			92					46
22	101	13			88					46
25	103	13			90					46

NF-105 SN 1883 CAL. DATE 7-13-7[illegible] (11-30-61 — 9-5-61)

CUR. PROBE SN 277-66

ATTENUATOR BAC 54208 C/C 744-624 (10-18-61 — 4-28-61)

RECORDER	L. DICKSON	TITLE PS SET #1 A-1284 S/N 0001		MOD. BGS-SA
OBSERVER	J. RUSSELL	STATION PTL #1 201 TEST NO. 2		SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2708
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NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 3 MODE 4

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
KC	METER DB KC	BW COR FACT. DB	PROBE DB	CONV. FACT. DB		LEVEL DBuA			DBuA
15	66	16.7	-16	60		158.7			157
20	71	14	-12			157			150
30	58	12.1	-8			133.1			141
40	67	7	-6			140			135
60	65	8.3	-3			136.3			125
80	74	7.6	0			141.6			118
120	69	5.1	3			131.1			109
150	69	5.1	4	60		[illegible]			104
CPS	DB					DBuA			DBuA
30						20KC			20KC
↓	120					100			100
15000									

NM-40A SN 246-4 CAL. DATE 668-718 (9-12-61 — 6-16-61)
NM-10A SN 159-3 CAL. DATE 666-730 (9-28-61 — 6-28-61)
CUR. PROBE SN 277-66

RECORDER	L. DICKSON	TITLE MS SET #1 A-1284, S/N 0001		MOD. 565-5A
OBSERVER	J. RUSSELL	STATION PTL #1 201 TEST NO. 2		SER. NO. 1284
DATA UNITS	DBKC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		TZ-2705
DATE	9-8-61			PAGE -56

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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 3 MODE 4

FREQUENCY	INTERFERENCE LEVEL									SPEC LIMITS
MC	METER READ. DBMC	PROBE FACT. DB			LEVEL DBuA					DBuA
.1	135	4			131					105
.2	134	6			128					98
.3	129	8			121					89
.4	123	10			113					82
.6	122	11			111					73
.8	135	12			123					66
1.2	135	13			122					56
1.6	126	13			123					50
2.4	115	14			101					50
3.2	133	|			119					49
4.8	116	|			102					49
6.4	111	|			97					48
9.6	98	|			84					47
12.	100	|			86					47
18	88	14			74					46
22	87	13			74					46
25	88	13			75					46

NF-10S SN 1883 CAL. DATE 713-773 (11-30-61 — 9-5-61)
CUR. PROBE SN 277-66
ATTENUATOR BAC 54208 c/c 744-624 (10-18-61 — 4-28-61)

RECORDER	L. DICKSON	TITLE PS SET #1 A-1284, S/N 0001	MOD. BGS-5A
OBSERVER	J. RUSSELL	STATION PLT# 1 201 TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2766
DATE	9-8-61		PAGE 57

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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 3 MODE 8

FREQUENCY	INTERFERENCE LEVEL									SPEC LIMITS
KC	METER DBKC	BW COR FACT DB	PROBE DB	CONV. FACT. DB		LEVEL DBuA				DBuA
15	61	16.7	-16	60		153.7				157
20	68	14	-12			154				150
30	64	12.1	-8			144.1				141
40	74	7	-6			147				135
60	57	8.3	-3			128.3				125
80	66	7.6	0			133.6				118
120	76	5.1	3			138.1				109
150	70	5.1	4	60		131.1				104
CPS	DB					DBuA				DBuA
30						20KC				20KC
↓	117					97				100
15000										

NM-40A SN 246-4 CAL. DATE 668-718 (9-12-61 — 6-16-61)
NM-10A SN 159-3 CAL. DATE 666-730 (9-28-61 — 6-28-61)
CUR. PROBE SN 277-66

RECORDER	L. DICKSON	TITLE PS SET #1 A-1284, S/N 0001	MOD. BGS-5A
OBSERVER	J. [illegible]SELL	STATION PTL #1 201 TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	BOEING AIRPLANE COMPANY AERO-SPACE DIVISION SEATTLE 24, WASH.	T2-2700
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 3 MODE 8

FREQUENCY	INTERFERENCE LEVEL									SPEC LIMITS
MC	METER READ. DBMC	PROBE FACT. DB			LEVEL DBuA					DBuA
.15	130	4			126					105
.2	131	6			125					93
.3	125	8			117					89
.4	124	10			114					82
.6	123	11			112					73
.8	124	12			112					66
1.2	133	13			120					56
1.6	133	13			120					50
2.4	131	14			117					50
3.2	131	|			117					49
4.8	115	|			101					49
6.4	105	|			91					48
9.6	95	|			81					47
12	102	|			88					47
18	99	14			85					46
22	86	13			73					46
35	84	13			71					46

NF-105 SN 1883 CAL. DATE 713-773 (11-30-61 — 9-5-61)

CUR. PROBE SN 277-66

ATTENUATOR BAC 54208 C/C 744-624 (10-18-61 — 4-28-61)

RECORDER	L. DICKSON	TITLE PS SET #1 A 1284 S/N 0001		MOD. BGS-5A
OBSERVER	J. RUSSELL	STATION PTL #1 201 TEST NO. 2		SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2706
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 1, JACK 09 PIN 4

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
KC	METER READ DBKC		BW FACTOR DB+	PROBE FACTOR -DB	CABLE LOSS +DB	CONVERSION FACTOR +DB		LEVEL DBMA	DBMA
15	27		16.7	-15	<0.5	60		118.7	157
20	31		14	-12.5				117.5	150
30	52		12.1	-8.7				134.8	141
40	63		7	-6.2				136.2	135
60	35		8.3	-2.9				106.2	125
80	41		7.6	-0.7				109.3	118
120	43		5.1	2.4				105.7	109
150	40		5.1	4	<0.5	60		101.1	104
								DB ABOVE 1μAMP /20KC	DB ABOVE 1μAMP /20KC
CPS	DB								
30									
	100							80	100
15000									

NM-40A, SN 246-4, c/c 718-658 (9-12-61 — 6-16-61)
NM-10A, SN 159-3, c/c 730-666 (9-28-61 — 6-28-61)
CURRENT PROBE 277-67

RECORDER	L. DICKSON	TITLE P.S. SET #1, S/N: 0001		MOD. BGS-5A
OBSERVER	T. RUSSELL	STATION LAB #1, "B" TEST NO. 2		SER. NO. 1284
DATA UNITS	DBKC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2708
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 1, JACK 09 PIN 4

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READ DBMC	PROBE FACTOR -DB	CABLE LOSS +DB	LEVEL DBMA	DBMA
.15	99	4	<0.5	95	104
.2	99	6	↓	93	97
.3	97	8	↓	89	87
.4	97	10	↓	87	80
.6	102	11	↓	91	71
.8	97	12	↓	85	65
1.2	96	13	↓	83	55
1.6	72	13	↓	59	50
2.4	52	14	↓	38	50
3.2	47	14	↓	33	50
4.8	34	14	↓	20	49
6.4	<34	14	↓	<20	48
9.6	↑	14	↓	<20	48
12	↓	14	↓	<20	48
18	↓	13	<0.5	<21	47
22	↓	13	0.5	<21	47
25	<34	12	0.5	<22	47

NF-105, SN 1883, CAL 773-713 (11-30-61 — 9-5-61)
CURRENT PROBE 277-67

RECORDER	L. DICKSON	TITLE P.S. SET #1, 1284, S/N. 0001		MOD. BGS-SA
OBSERVER	J. RUSSELL	STATION LAB #1, "B" TEST NO. 2		SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24 WASH.		T2-2788
DATE	9-8-61			PAGE 61

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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 2, JACK 09 PIN 4

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
KC	METER READ DBKC		BW FACTOR +DB	PROBE FACTOR -DB	CABLE LOSS +DB	CONVER SION FACTOR +DB		LEVEL DBMA	DBMA
15	39		16.7	-15	<0.5	60		130.7	157
20	41		14	-12.5	↓	↓		127.5	150
30	44		12.1	-8.7				126.8	141
40	42		7	-6.2				125.2	135
60	43		8.3	-2.9				114.2	125
80	44		7.6	-0.7				112.3	118
120	44		5.1	2.4				106.7	109
150	45		5.1	4	<0.5	60		106.1	104
								DB ABOVE 1 MAMP / 20KC	DB ABOVE 1 MAMP / 20KC
CPS	DB								
30									
↓	108							88	100
15,000									

NM-40A, SN 246-4, c/c 718-658 (9-12-61 — 6-16-61)
NM-10A, SN 159-3, c/c 730-666 (9-28-61 — 6-28-61)
CURRENT PROBE 277-67

RECORDER	L. DICKSON	TITLE R.S. SET #1, 1284, S/N 0001		MOD. BGS-5A
OBSERVER	J. RUSSELL	STATION LAB #1 "B"	TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2786
DATE	9-8-61			PAGE 62

U3 4056 1015 ORIG. 12/60

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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 2, JACK 09 PIN 4

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READ DBMC	PROBE FACTOR -DB	CABLE LOSS +DB	LEVEL DBMA	DBMA
.15	101	4	<0.5	97	104
.2	103	6		97	97
.3	102	8		94	87
.4	99	10		89	80
.6	102	11		91	71
.8	101	12		89	65
1.2	83	13		70	55
1.6	75	13		62	50
2.4	65	14		51	50
3.2	57	14		43	50
4.8	34	14		20	49
6.4	<34	14		<20	48
9.6		14		<20	48
12		14		<20	48
18		13	<0.5	<21	47
22		13	0.5	<21	47
25	<34	12	0.5	<22	47

NF-105 SN 1883, CAL 773-713 (11-30-61 — 9-5-61)
CURRENT PROBE 277-67

RECORDER	L. DICKSON	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-5A
OBSERVER	J. RUSSELL	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC	BOEING AIRPLANE COMPANY AERO-SPACE DIVISION SEATTLE 24, WASH.	T2-2786
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REV 4-8-63

REV 1

VOL 1

APPENDIX

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 2, JACK OR PIN 5

FREQUENCY	INTERFERENCE LEVEL							SPEC LIMITS
KC	METER READ DBKC	BW FACTOR +DB	PROBE FACTOR -DB	CABLE LOSS +DB	CONVERSION FACTOR +DB	LEVEL DBMA		DBMA
15	9	16.7	-16.5	<0.5	60	102.2		157
20	5	14	-13			92		150
30	4	12.1	-9			85.1		141
40	4	7	-7			78		135
60	2	8.3	-3			73.3		125
80	5	7.6	0			72.6		118
120	2	5.1	3			64.1		109
150	4	5.1	4.5	<0.5	60	64.6		104
						DB ABOVE 1 MAMP /120KC		DB ABOVE 1 MAMP /120KC
CPS	DB							
30								
	44					24		100
15000								

NM-40A, SN 246-4, C/C 718-658 (9-12-61 — 6-16-61)
NM-10A, SN 159-3, C/C 730-666 (9-28-61 — 6-28-61)
CURRENT PROBE 273-95

RECORDER	J. RUSSELL	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-5A
OBSERVER	L. DICKSON	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-27B5
DATE	9-9-61		PAGE 64

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APPENDIX

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 2 JACK 08 PIN 5

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READ DBMC	PROBE FACTOR -DB	CABLE LOSS +DB	LEVEL DBMA +DB	DBMA
.15	63	4	<0.5	59	104
.2	66	6		60	97
.3	64	9		55	87
.4	64	10		54	80
.6	67	11		56	71
.8	60	12		48	65
1.2	56	13		43	55
1.6	41	14		27	50
2.4	38	14		24	50
3.2	33			19	50
4.8	<30			<16	49
6.4					48
9.6					48
12					48
18			<0.5		47
22			0.5		47
25	<30	14	0.5	<16	47

NF-105, SN 1883, CAL 273-713 (11-30-61 — 9-5-61)
CURRENT PROBE 273-95

RECORDER L. DICKSON	TITLE P.S. SET #1, 1284, S/N 0001		MOD. BGS-5A
OBSERVER J. RUSSELL	STATION LAB #1, "B" TEST NO. 2		SER. NO. 1284
DATA UNITS DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2788
DATE 9-8-61			PAGE 65

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APPENDIX

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

MODE 5 JACK 08 PIN 5

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
KC	METER READ DBKC		BW FACTOR +DB	PROBE FACTOR -DB	CABLE LOSS +DB	CONVERSION FACTOR +DB		LEVEL DBMA	DBMA
15	11		16.7	-16.5	40.5	60		104.2	157
20	21		14	-13	↑	↑		108	156
30	27		12.1	-9	↑	↑		108.1	141
40	27		7	-7	↑	↑		101	135
60	33		8.3	-3	↑	↑		104.3	125
80	39		7.6	0	↑	↑		106.6	118
120	39		5.1	3	↓	↓		101.1	109
150	38		5.1	4.5	40.5	60		98.6	104
								DB ABOVE 1 μAMP /20KC	DB ABOVE 1 μAMP /20KC
CPS	DB								
30									
↓	57							39	100
15000									

NM-40A, SN 246-4, C/C 718-658 (9-12-61 — 6-16-61)
NM-10A, SN 159-3, C/C 730-666 (9-28-61 — 6-28-6)
CURRENT PROBE 273-95

RECORDER	J. RUSSEL	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-5A
OBSERVER	L. DICKSON	STATION LAB #1, "B" TEST NO. 2.	SER. NO. 1284
DATA UNITS	DBKC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-278
DATE	9-9-61		PAGE 66

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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

MODE 5 JACK 08 PIN 5

FREQUENCY	INTERFERENCE LEVEL					SPEC LIMITS
MC	METER READ DBMC		PROBE FACTOR -DB	CABLE LOSS +DB	LEVEL DBMA +DB	DBMA
.15	110		4	<0.5	106	104
.2	105		6		99	97
.3	109		9		100	87
.4	109		10		99	80
.6	107		11		96	71
.8	109		12		97	65
1.2	106		13		93	55
1.6	97		14		83	50
2.4	101				87	50
3.2	96				82	50
4.8	94				80	49
6.4	87				83	48
9.6	91				77	48
12	94				80	48
18	82			<0.5	68	47
22	95			0.5	81	47
25	89		14	0.5	75	47

NF-105 SN 1883 CAL 773-713 (11-30-61 — 9-5-61)
CURRENT PROBE 273-95

RECORDER	J. RUSSELL	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-SA
OBSERVER	L. DICKSON	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
DATE	9-9-61		PAGE 67

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APPENDIX

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 2 JACK 01 PIN 20

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
KC	METER READ DBKC		BW FACTOR +DB	PROBE FACTOR -DB	CABLE LOSS +DB	CONVERSION FACTOR +DB		LEVEL DBMA	DBMA
15	9		16.7	-15	<0.5	60		100.7	157
20	5		14	-12				91	150
30	4		12.1	-8				84.1	141
40	4		7	-6				77	135
60	3		8.3	-1				72.3	125
80	6		7.6	1				72.6	118
120	8		5.1	3				70.1	109
150	10		5.1	4	<0.5	60		71.1	104
								DB ABOVE 1 μAMP / 20KC	DB ABOVE 1 μAMP / 20KC
CPS									
30									
	41							21	100
15000									

NM-40A, SN 246-4, c/c 718-658 (9-12-61 — 6-16-61)
NM-10A, SN 159-3, c/c 730-666 (9-28-61 — 6-28-61)
CURRENT PROBE 277-66

RECORDER	J. RUSSELL	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-5A
OBSERVER	L. DICKSON	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	BOEING AIRPLANE COMPANY AERO-SPACE DIVISION SEATTLE 24, WASH.	T2-2708
DATE	9-9-61		PAGE 68

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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 2 JACK 01 PIN 20

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READ DBMC	PROBE FACTOR -DB	CABLE LOSS +DB	LEVEL DBMA	DBMA
.15	69	4	<0.5	65	104
.2	73	6	↓	67	97
.3	78	8		70	87
.4	81	10		71	80
.6	83	12		71	71
.8	80	12		68	65
1.2	70	13		57	55
1.6	61	13		48	50
2.4	59	14		45	50
3.2	53	14		39	50
4.8	38	14		24	49
6.4	<30	14		<16	48
9.6	↓	14		<16	48
12		14	↓	<16	48
18		14	<0.5	<16	47
22		14	0.5	<16	47
25	<30	13	0.5	<16	47

NF-105 SN 1883, CAL 773-713 (11-30-61 — 9-5-61)
CURRENT PROBE 277-66

RECORDER	J. RUSSELL	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-5A
OBSERVER	L. DICKSON	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	TZ-27[illegible]
DATE	9-10-61		PAGE 69

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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

MODE 2 JACK 01 PIN 19

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
KC	METER READ DBKC		BW FACTOR +DB	PROBE FACTOR -DB	CABLE LOSS +DB	CONVERSION FACTOR +DB		LEVEL DBMA	DBMA
15	9		16.7	-14	<0.5	60		99.7	157
20	4		14	-11				89	150
30	3		12.1	-7				82.1	141
40	4		7	-5				76	135
60	5		8.3	-2				65.3	125
80	8		7.6	0.5				75.1	118
120	13		5.1	4				74.1	109
150	16		5.1	6	<0.5	60		75.1	104
								DB ABOVE 1μAMP /120KC	DB ABOVE 1μAMP /120KC
CPS	DB								
30									
	30							10	100
15000									

NM-40A, SN 246-4, C/C 718-658 (9-12-61 — 6-16-61)
NM-10A, SN 159-3, C/C 730-666 (9-28-61 — 6-28-61)
CURRENT PROBE 345-18

RECORDER	J. RUSSELL	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-5B
OBSERVER	L. DICKSON	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2708
DATE	9-9-61		PAGE -70

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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 2 JACK 01 PIN 19

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READ DBMC	PROBE FACTOR -DB	CABLE LOSS +DB	LEVEL DBMA +DB	DBMA
.15	77	5	<0.5	72	104
.2	79	7		72	97
.3	83	10		73	87
.4	87	11		76	80
.6	80	12		74	71
.8	83	13		70	65
1.2	66	14		52	55
1.6	65	↓		51	50
2.4	59			45	50
3.2	52			38	50
4.8	<30			<16	49
6.4	↓			<16	48
9.6				<16	48
12				<16	48
18			<0.5	<16	47
22			0.5	<16	47
25	<30	14	0.5	<16	47

NF-105 SN 1883, CAL 773-713 (11-30-61 — 9-5-61)
CURRENT PROBE, 345-18

RECORDER	J. RUSSELL	TITLE P.S. SET #1, 1284 S/N 001	MOD. BGS-5A
OBSERVER	L. DICKSON	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC	BOEING AIRPLANE COMPANY AERO-SPACE DIVISION SEATTLE 24, WASH.	T2-2788
DATE	9-9-61		PAGE 71

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APPENDIX

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 2 JACK OC PIN 17

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
KC	METER READ DBKC		BW FACTOR +DB	PROBE FACTOR −DB	CABLE LOSS +DB	CONVER SION FACTOR +DB		LEVEL DBMA	DBMA
15	9		16.7	−15	<0.5	60		100.7	157
20	5		14	−12.5				91.5	150
30	3		12.1	−8.7				83.8	141
40	4		7	−6.2				77.2	135
60	3		8.3	−2.9				74.2	125
80	6		7.6	−0.7				74.3	118
120	7		5.1	2.4				69.7	109
150	12		5.1	4	<0.5	60		73.1	104
								DB ABOVE 1 μ AMP /120 KC	DB ABOVE 1 μ AMP /120 KC
CPS	DB								
30									
	41							21	100
15000									

NM-40A SN 296-4, C/C 718-668 (9-12-61 — 6-16-61)
NM-10A SN 159-3 C/C 730-666 (9-25-61 — 6-28-61)
CURRENT PROBE 277-67

RECORDER	T. TURNER	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-5A
OBSERVER	L. DICKSON	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2706
DATE	9-11-61		PAGE 72

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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

MODE 2 JACK 06 PIN 17

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READ DBMC	PROBE FACTOR -DB	CABLE LOSS +DB	LEVEL DBMA	DBMA
.15	68	4	<0.5	64.0	104
.2	73	5.8	^	67.2	97
.3	78	8.2		69.8	87
.4	81	9.8		71.2	80
.6	82	11.6		70.4	71
.8	90	12.4		67.6	65
1.2	69	13.2		55.8	55
1.6	60	13.6		46.4	50
2.4	61	13.8		47.2	50
3.2	51	13.9		37.1	50
4.8	41	14.0		27.0	49
6.4	<30	14.0		<16.0	48
9.6	|	14.0	|	<16.0	48
12	|	14.0	|	<16.0	48
18	|	13.5	|	<16.5	47
22	V	13.1	V	<16.9	47
25	<30	12.8	<0.5	<17.2	47

CURRENT PROBE 777-67

NF-105 SN 1883 C/C 773-713 (11-30-61 — 9-5-61)

RECORDER	T. TURNER	TITLE P.S. SET #1, 1284, S/N 0001		MOD. BGS-SA
OBSERVER	L. DICKSON	STATION LAB #1, "B"	TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC	BOEING AIRPLANE COMPANY		J2-2706
DATE	9-11-61	AERO-SPACE DIVISION	SEATTLE 24, WASH.	PAGE 73

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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

MODE 9 JACK 06 PIN 17

FREQUENCY	INTERFERENCE LEVEL							SPEC LIMITS
KC	METER READ DBKC		BW FACTOR +DB	PROBE FACTOR -DB	CABLE LOSS +DB	CONVERSION FACTOR +DB	LEVEL DBMA	DBMA
15	77		16.7	-15	<0.5	60	168.7	157
20	76		14	-12.5			162.5	150
30	79		12.1	-8.7			159.8	141
40	75		7	-6.2			148.2	135
60	78		8.3	-2.9			149.2	125
80	75		7.6	-0.7			143.3	118
120	71		5.1	2.4			133.1	109
150	70		5.1	4	<0.5	60	131.1	104
							DB ABOVE 1μ AMP /20KC	DB ABOVE 1μ AMP /20KC
CPS	DB							
30								
	119						99	100
15000								

NM-40A SN 246-4, C/C 718-668 (9-12-61 — 6-16-61)

NM-10A SN 159-3, C/C 730-666 (9-28-61 — 6-28-61)

CURRENT PROBE 277-67

RECORDER	T. TURNER	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-5A
OBSERVER	L. DICKSON	STATION LAB "1", "B" TEST NO. 2	SER. NO. 1784
DATA UNITS	DBKC - DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
DATE	9-11-61		PAGE 74

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APPENDIX

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 2 JACK 03 PIN 3

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
KC	METER READ DBKC		BW FACTOR +DB	PROBE FACTOR −DB	CABLE LOSS +DB	CONVERSION FACTOR +DB		LEVEL DBMA	DBMA
15	6		16.7	−15	<0.5	60		97.7	157
20	3		14	−12.3				89.3	150
30	6		12.1	−8.5				86.6	141
40	3		7	−6				76	135
60	3		8.3	−2.5				73.8	125
80	4		7.6	−0.3				71.9	118
120	6		5.1	2.7				68.4	109
150	7		5.1	4.3	<0.5	60		67.8	104
								DB ABOVE 1μ AMP /20KC	DB ABOVE 1μ AMP /20KC
CPS	DB								
30									
	35							15	100
15000									

NM-40A SN 246-4, C/C 718-668 (9-12-61 — 6-16-61)
NM-10A SN 159-3, C/C 730-666 (9-28-61 — 6-38-61)
CURRENT PROBE 277-766

RECORDER	J. RUSSELL	TITLE P.S. SET #1, 1284, S/N 0002	MOD. A&S-58
OBSERVER	L. DICKSON	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2756
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APPENDIX

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 2 JACK 03 PIN 3

FREQUENCY	INTERFERENCE LEVEL					SPEC LIMITS
MC	METER READ DBMC		PROBE FACTOR -DB	CABLE LOSS +DB	LEVEL DBMA	DBMA
.15	65		4.3	<0.5	60.7	104
.2	70		6.1	↑	63.9	97
.3	74		8.4		65.6	87
.4	78		10.0		68.0	80
.6	79		11.5		67.5	71
.8	77		12.3		64.7	65
1.2	68		13.1		54.9	55
1.6	54		13.5		40.5	50
2.4	54		13.8		40.2	50
3.2	41		14.0		27.0	50
4.8	44		14.0		30.0	49
6.4	42		14.0		28.0	46
9.6	<30		14.0		<16.0	48
12	↓		14.0		<16.0	46
18			13.8		<16.2	47
22			13.4	↓	<16.6	47
25	<30		13.2	<0.5	<16.8	47

CURRENT PROBE 277-66

NF-105 SN 1883 C/C 773-713 (11-30-61 — 9-5-61)

RECORDER	J. RUSSELL	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-5A
OBSERVER	L. DICKSON	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 6 JACK 01 PIN 5

FREQUENCY	INTERFERENCE LEVEL							SPEC LIMITS
KC	METER READ DBKC		BW FACTOR +DB	PROBE FACTOR -DB	CABLE LOSS +DB	CONVERSION FACTOR +DB	LEVEL DBMA	DBMA
15	6		16.7	-15.8	<0.5	60	98.5	157
20	3		14	-13.0	↑	↑	90.0	150
30	6		12.1	-9.4			87.5	141
40	3		7	-6.8			76.8	135
60	2		8.3	-3.0			73.3	125
80	2		7.6	-0.3			69.9	118
120	0		5.1	3.0	↓	↓	62.1	109
150	1		5.1	4.6	<0.5	60	61.5	104
							DB ABOVE 1μ AMP /120KC	DB ABOVE 1μ AMP /120KC
CPS	DB							
30								
↓	48						28	100
15000								

NM-40A SN246-4, c/c 718-668 (9-12-61 — 6-16-61)
NM-10A SN159-3, c/c 730-666 (9-28-61 — 6-28-61)
CURRENT PROBE 273-95

RECORDER	T. TURNER	TITLE P.S. SET #1, 1284, S/N 0001	MOD. BGS-SA
OBSERVER	L. DICKSON	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC - DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
DATE	9-11-61		PAGE 78

APPENDIX

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

MODE 6 JACK 01 PIN 5

FREQUENCY	INTERFERENCE LEVEL					SPEC LIMITS
MC	METER READ DBMC	PROBE FACTOR −DB	CABLE LOSS +DB	LEVEL DBMA		DBMA
.15	38	4.6	<0.5	33.4		104
.2	43	7.5	^	35.5		97
.3	54	8.8		45.2		87
.4	60	10.0		50.0		80
.6	60	11.5		48.5		71
.8	64	12.5		51.5		65
1.2	59	13.4		45.6		55
1.6	53	13.8		39.2		50
2.4	43	14.0		29.0		50
3.2	<30	14.0		<16.0		50
4.8	^	14.0		<16.0		49
6.4		14.0		<16.0		48
9.6		14.0		<16.0		48
12		14.0		<16.0		48
18		14.0		<16.0		47
22	v	14.0	v	<16.0		47
25	<30	14.0	<0.5	<16.0		47

CURRENT PROBE 273-95

NF-105 SN 1883 c/c 773-713 (11-30-61 — 9-5-61)

RECORDER	T. TURNER	TITLE P.S. SET #1, 1284, SN 0001	MOD. BGS-5A
OBSERVER	L. DICKSON	STATION LAB #1, "B" TEST NO. 2	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24 WASH.	T2-2 784
DATE	9-11-61		PAGE - 79

U3 4056 1015 ORIG. 12/60 RGV 4-8-63 Rev I VOL 1 R

APPENDIX

BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 05 PIN 4 MODE 7

FREQUENCY	INTERFERENCE LEVEL									SPEC LIMITS
KC	METER READ. DB KC	BW COR FACT. DB	PROBE FACT. DB	CONV. FACT. DB		LEVEL DBuA				DBuA
15	6	16.7	-16	60		99				157
20	3	14	-13			90				150
30	6	12.1	-9			87				141
40	4	7	-7			78				135
60	2	8.3	-3			73				125
80	2	7.6	0			70				118
120	0	5.1	3			62				109
150	1	5.1	5	60		61				104
CPS 30	DB					DBuA 20KC				DBuA 20KC
	21					1				100
15000	21									

NM-40A SN 246-4 CAL. DATE 658-718 (9-12-61 — 6-16-61)
NM-10A SN 159-3 CAL. DATE 666-730 (9-28-61 — 6-28-61)
CUR. PROBE 273-95

RECORDER	J. RUSSELL	TITLE PS SET #1 A 1284, S/N 0001		MOD. BGS-5A
OBSERVER	L. DICKSON	STATION PTL #1 201	TEST NO. 2	SER. NO. 1284
DATA UNITS	DBKC-DB	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-27862
DATE	9-11-61			PAGE 80

UB 4056 1015 ORIG. 12/60 REV 4-8-63 VOL 1

APPENDIX

BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 05 PIN 4 MODE 7

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READ. DBMC	PROBE FACT.		LEVEL DBMC	DBM/
.15	33	5		28	105
.2	43	6		37	97
.3	53	9		44	87
.4	60	10		50	80
.6	61	12		49	71
.8	65	12		53	65
1.2	64	13		51	55
1.6	54	14		40	50
2.4	43	14		29	50
3.2	48	|		34	50
4.8	34	|		20	49
6.4	30	|		16	48
9.6	30	|		16	48
12	30	|		16	48
18	40	|		26	47
22	30	|		16	47
25	30	14		16	47

NF-105 SN 1883 CAL. DATE 713-773 (11-30-61 — 9-5-61)
CUR. PROBE SN 273-95

RECORDER	T. RUSSELL	TITLE PS SET #1 A 1284 S/N 0001	MOD. BGS-5A
OBSERVER	L. DICKSON	STATION PTL#1 201 TEST NO 2	SER. NO. 1284
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24 WASH.	T2-2776
DATE	9-11-61		PAGE 81

U3 4056 1015 ORIG. 12/60 REV 4-8-63 VOL 1

APPENDIX III

Plotted Test Data

Interference	Frequency	Mode	Jack and Pin	Graph Page
Radiated	15KC - 1000MC	1	----	83
		2 & 6	----	84
		3	----	85
		4	----	86
		5	----	87
Radiated	15KC - 1000MC	7	----	88
Conducted	30C - 25MC	1	09 1	89, 90
		2		91, 92
		3		93, 94
		4		95, 96
		8	09 1	97, 98
		1	09 2	99, 100
		2		101, 102
		3		103, 104
		4		105, 106
		8	09 2	107, 108
		1	09 3	109, 110
		2		111, 112
		3		113, 114
		4		115, 116
		8	09 3	117, 118
		1	09 4	119, 120
		2	09 4	121, 122
		2	08 5	123, 124
		5	08 5	125, 126
		2	01 20	127, 128
		2	01 19	129, 130
		2	06 17	131, 132
		9	06 17	133, 134
		2	03 3	135, 136
		6	01 5	137, 138
Conducted	30C - 125MC	7	05 4	139, 140

FIGURE 8 BROADBAND AND PULSED CW RADIATED LIMITS

FIGURE 8 BROADBAND AND PULSED CW RADIATED LIMITS

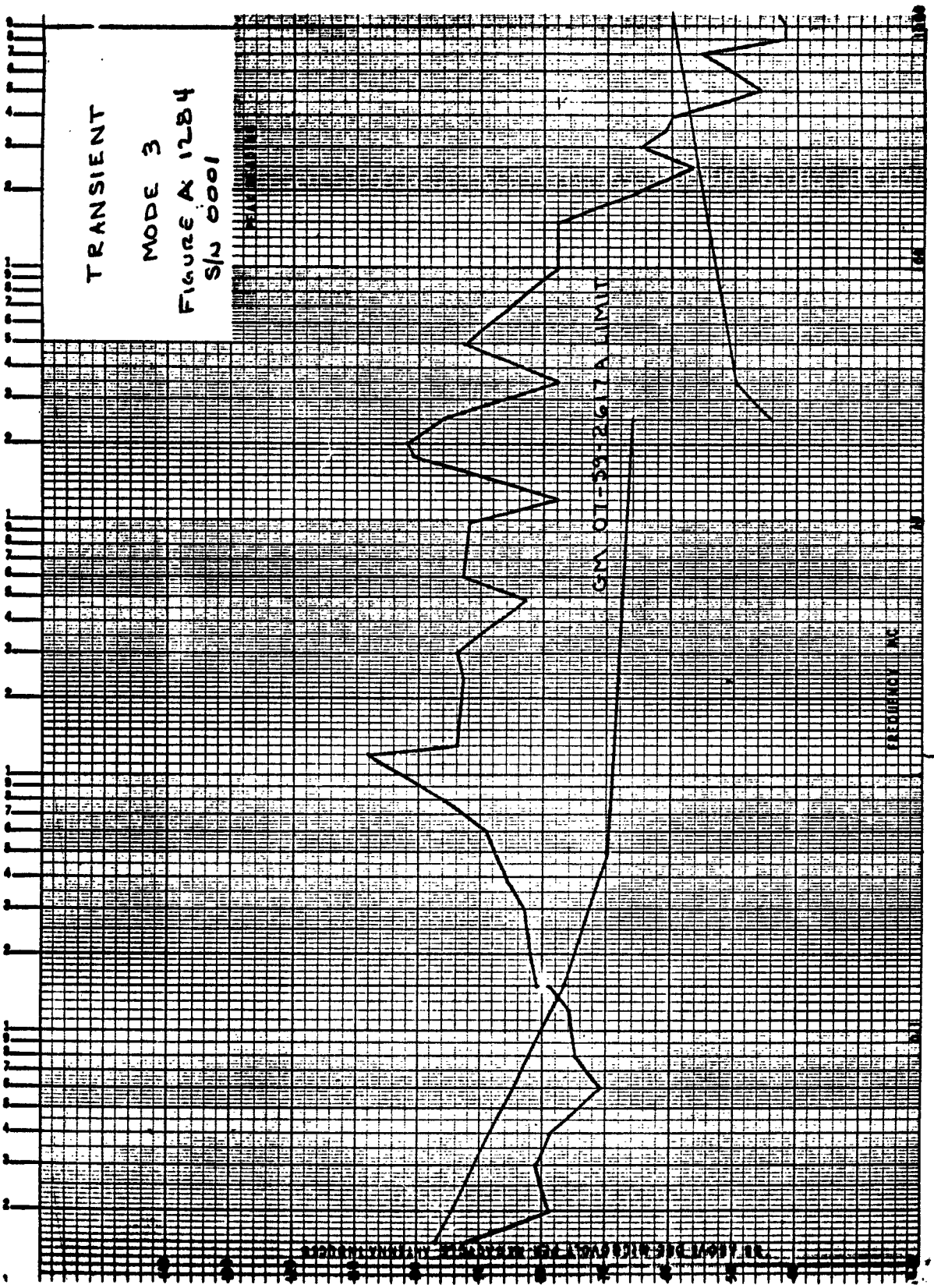


FIGURE 8 BROADBAND AND PULSED CW RADIATED LIMITS

FIGURE 8 BROADBAND AND PULSED CW RADIATED LIMITS

FIGURE 8 BROADBAND AND PULSED CW RADIATED LIMITS

FIGURE 8 BROADBAND AND PULSED CW RADIATED LIMITS

FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

US 6000 0845 ORIG. 1/61 REV 4-8-63

UNIT Power Supply SERIAL # 0001

TEST POINT J106 09 PIN 1

TEST NUMBER 2

TRANSIENT ☐ MODE 2

STEADY STATE ☑

dB ABOVE ONE MICROAMP PER METER BANDWIDTH

FREQUENCY CYCLES

GM DT-54-2411A (MK)

FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

REV 4-8-63

BOEING Div 1

NO. T2-2786

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FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

US 6000 3245 ORIG. 1/61 REV 4-8-63

BOEING NO. T2-2186
Dr 1 PAGE 92 VOL 1

UNIT Power Supply SERIAL # 0001
TEST POINT INK 09 PWR
TEST NUMBER 2
TRANSIENT ☑ MODE 3
STEADY STATE ☐

IGM 07-33-7617A (MAE)

SPECIFICATION

REV 48-63

FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

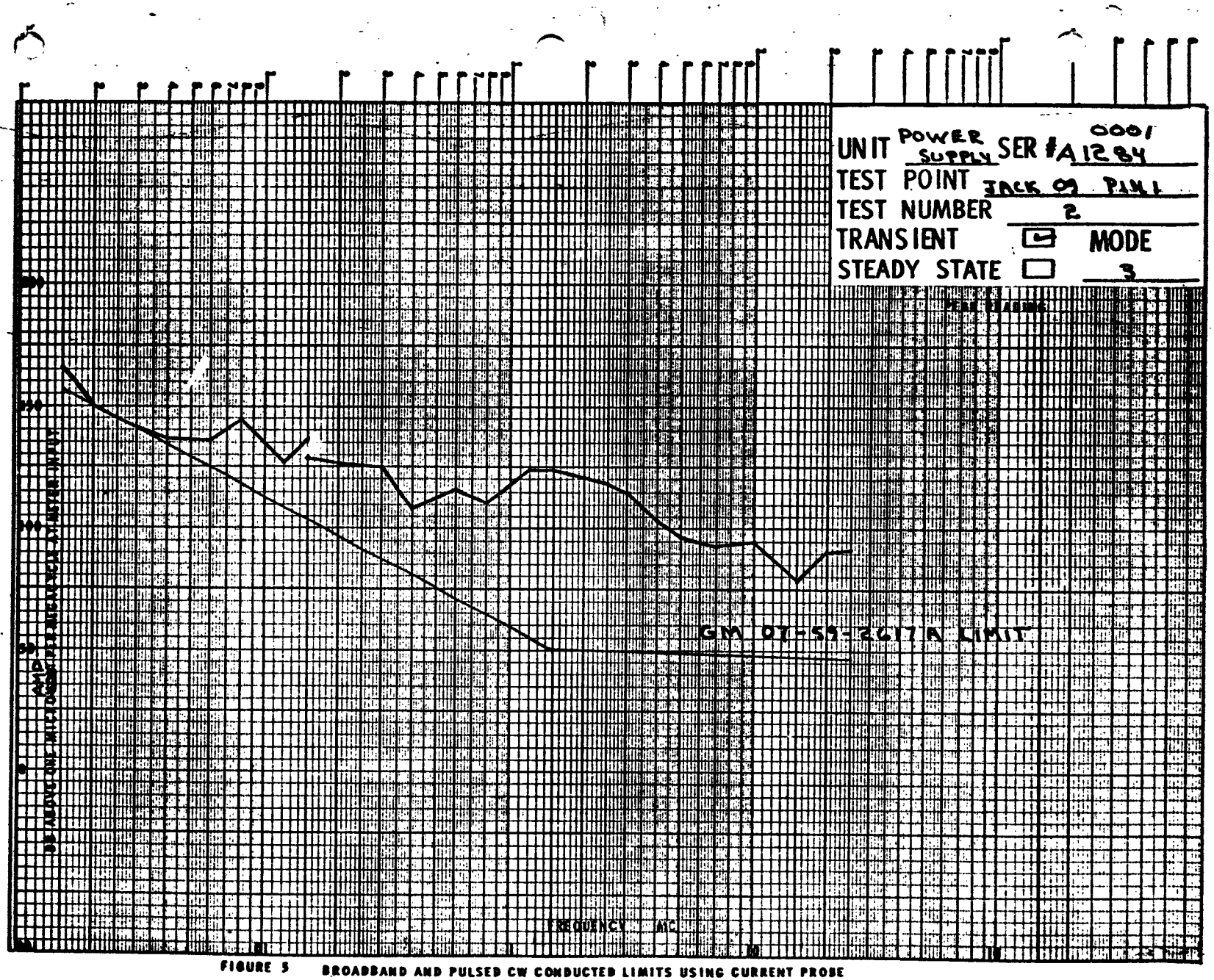


FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION
MIL-STD-461A/1 REV 4-5-63
BOEING
NO. T2-2286
PAGE 94 VOL 1

UNIT Power Supply SERIAL 0001

TEST POINT Jack 09 Pin 1

TEST NUMBER 2

TRANSIENT ☑ MODE 4

STEADY STATE ☐

dB ABOVE ONE MICROAMP PER METER BANDWIDTH

FREQUENCY CYCLES

GEN 07-59-2617A LIMIT

SPECIFICATION

REV 4-8-63

FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

BD 4000 5235 ORIG. 3/61

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

REV 4-8-63

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FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

UNIT Power Supply SERIAL 41284 0004

TEST POINT Jack on Pin 2

TEST NUMBER 2

TRANSIENT ☐ MODE

STEADY STATE ☑ 1

dB ABOVE ONE MICROVOLT PER METER BANDWIDTH

FREQUENCY CYCLES

VSWR 0.1-39-24 LIMIT

SPECIFICATION

Rev 4-8-63

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FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

UNIT Power Supply SERIAL #41284 0001

TEST POINT J6K 02 PIN 2

TEST NUMBER 2

TRANSIENT ☐ MODE

STEADY STATE ☐ 2

PEAK READING

10K 01.5? 24117 LIMIT

DB ABOVE ONE MICROAMPERE PER SQ. KILOMETER

FREQUENCY CYCLES

SPECIFICATION

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BOEING NO. T2-2786

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83 4000 2235 ONG. 3/61 FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

UNIT Power Supply SERIAL 41284 0001
TEST POINT J8CK 02 PIN 2
TEST NUMBER 2
TRANSIENT ☐ STEADY STATE ☐ MODE 3

GM DT-59-2617 A, IM-11

dB ABOVE ONE MICROVOLT PER METER BANDWIDTH

FREQUENCY CYCLES

SPECIFICATION

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FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION _____

Rev 4-8-63

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

UNIT Power Supply SERIAL #1284 0001

TEST POINT Jack 03 Pin 2

TEST NUMBER 2

TRANSIENT ☐ STEADY STATE ☐ MODE 8

dB ABOVE ONE MICROAMP PER METER BANDWIDTH

FREQUENCY CYCLES

CW 0.1-1.2 MC LIMIT

SPECIFICATION

Rev 4-8-63

BOEING NO. T2-2186

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83 4800 3226 ONG. 2/61 FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 3 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

Rev 48-63

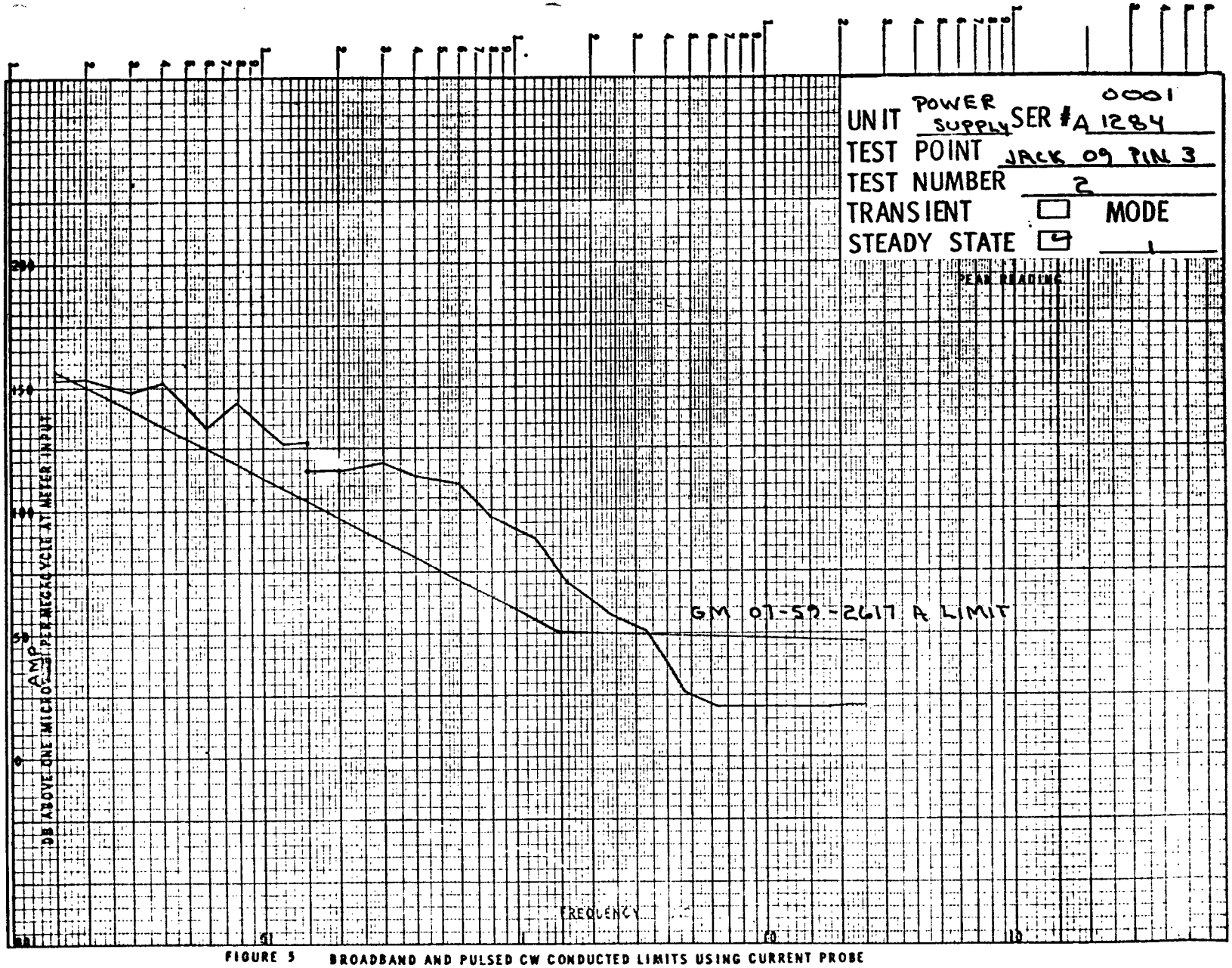


FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

UNIT POWER SUPPLY SERIAL #1284 0001

TEST POINT JACK 09 PIN 3

TEST NUMBER 2

TRANSIENT ☐ MODE

STEADY STATE ☑ 2

PEAK READING

GM 01-39-2611 A LIMIT

DB ABOVE ONE MICROAMP PER 20 KC BANDWIDTH

FREQUENCY CYCLES

SPECIFICATION

Rev 4-8-63

BOEING

NO. T2-2186

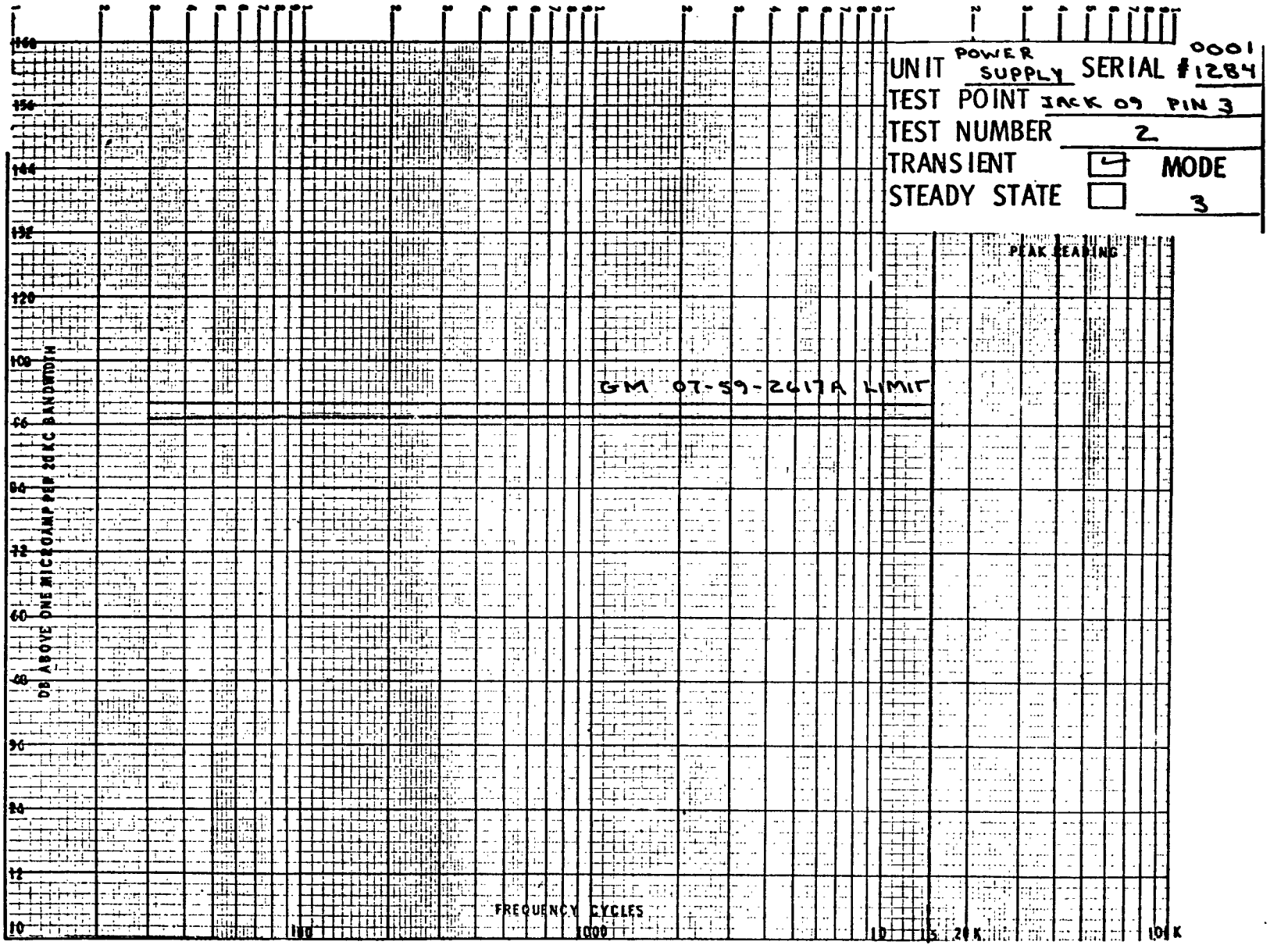
PAGE 111

VOL 1

U3 4500 9256 ORIG. 2/61 FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION



SPECIFICATION

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U3 4800 9256 ORIG. 3/61 FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

UNIT Power Supply SERIAL # 1294 0001

TEST POINT Jack 05 Pin 3

TEST NUMBER 2

TRANSIENT ☐ STEADY STATE ☑ MODE 4

PLOTTING

GM DT-59-2417A LIMIT

dB ABOVE ONE MICROAMP PER 20KC BANDWIDTH

FREQUENCY CYCLES

SPECIFICATION

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US 4800 9235 ORIG. 2/61 FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

U3 4600 3245 ORIG. 1/61 Rev 4-8-63

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D 6236 ORIG. 2/61 FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

U3 4600 9248 ORIG. 1/61 REV 4-8-63

BOEING NO. T2-2786

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UNIT Power Supply SERIAL #1284 0001

TEST POINT J6CK 02 PIN 4

TEST NUMBER 2

TRANSIENT ☐ MODE

STEADY STATE ☑ 1

PEAK READING

GM 07-39-2617A LIMIT

DB ABOVE ONE MICROAMP PER 20 KC BANDWIDTH

FREQUENCY CYCLES

SPECIFICATION

Rev 4-8-63

FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

US 4800 8256 ORIG. 3/61

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

U3 4600 9245 ORIG. 1/61 Rev 4-8-63

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U3 4800 9256 ORIG. 3/61 FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

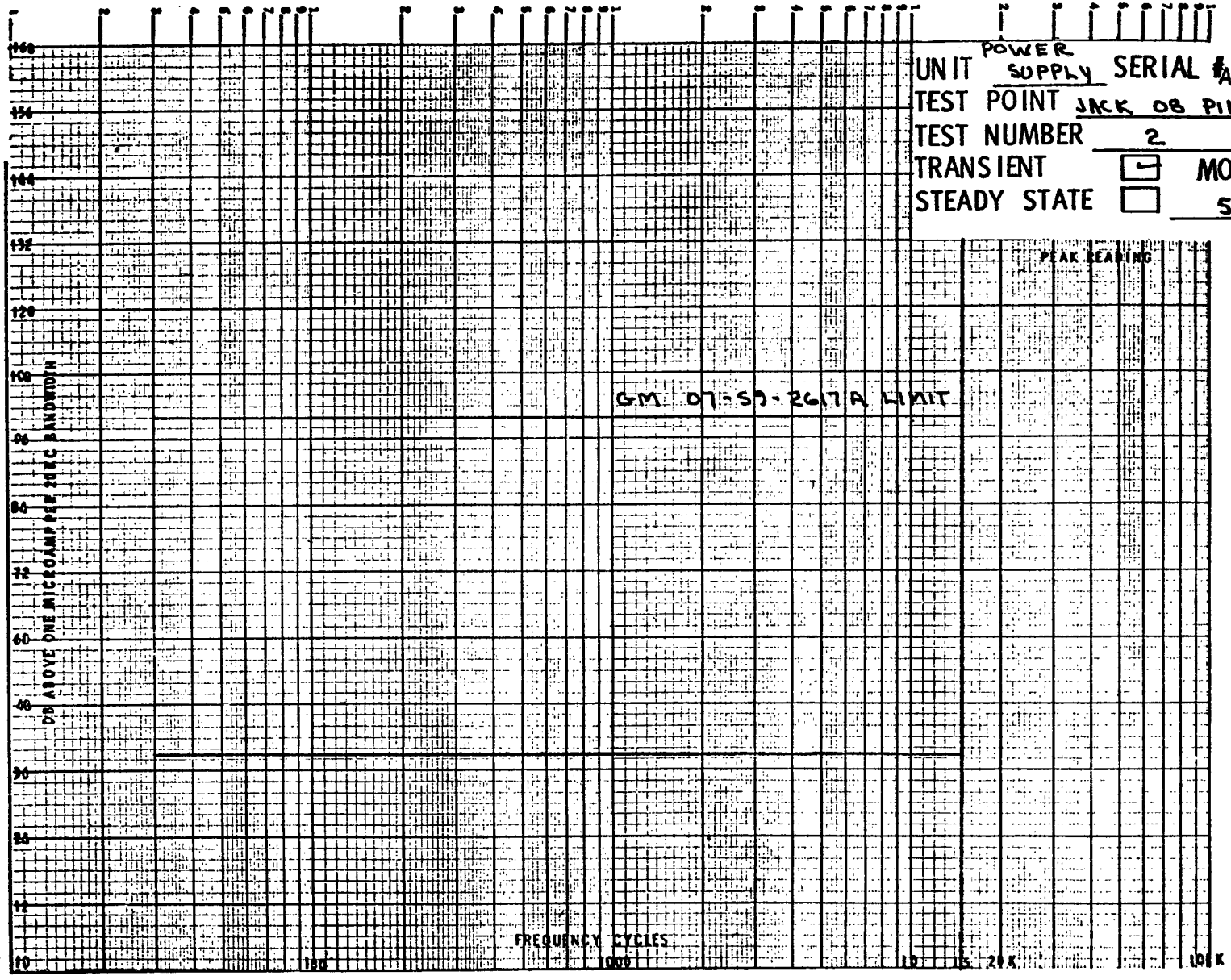
FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

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FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE



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US 4800 9256 ORIG. 3/61 FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION _____

REV 4-8-63

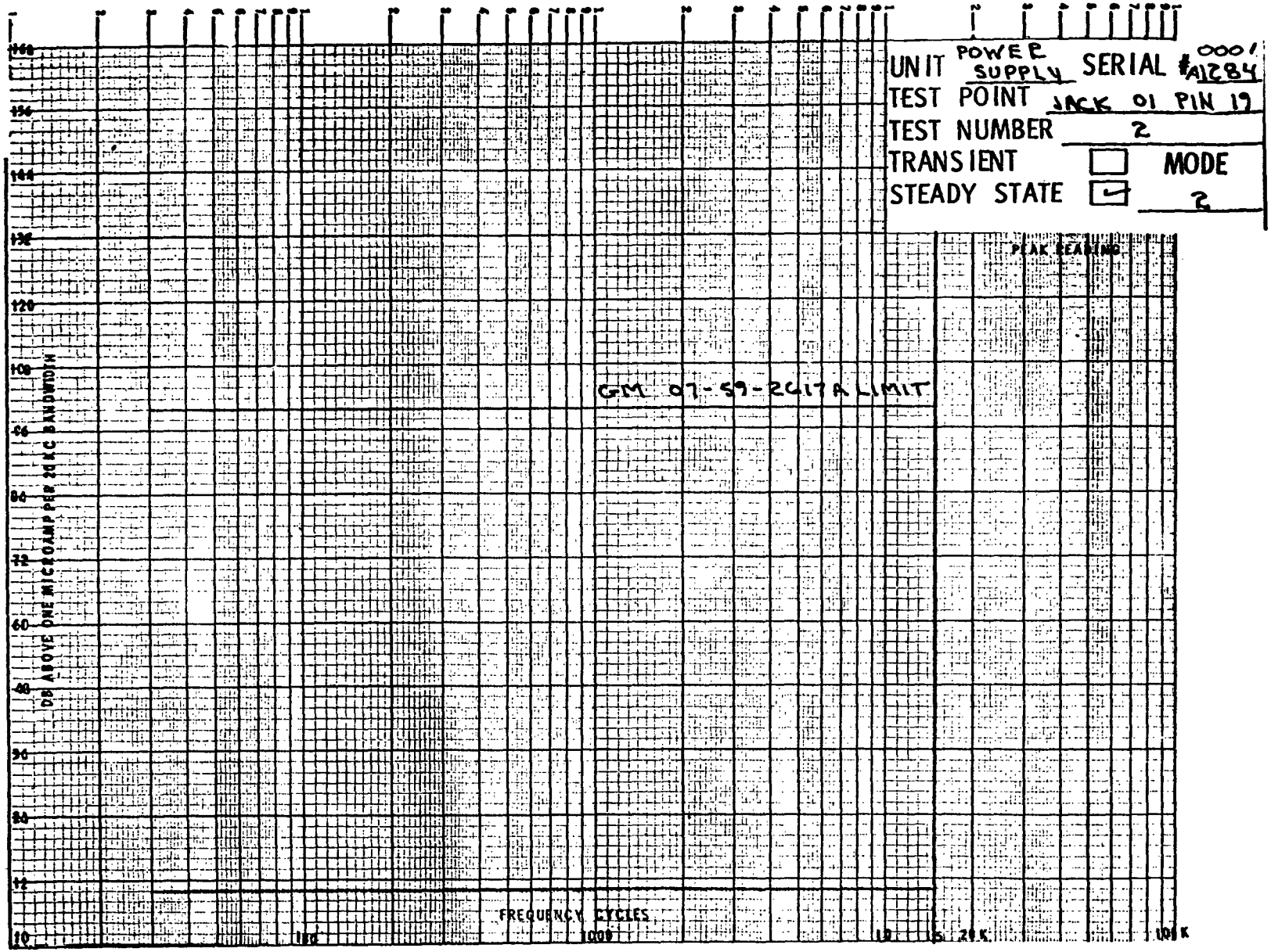
FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

U3 4800 9256 ORIG. 3/61

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

US 4600 9245 ORIG. 1/61 REV 4-8-63



SPECIFICATION

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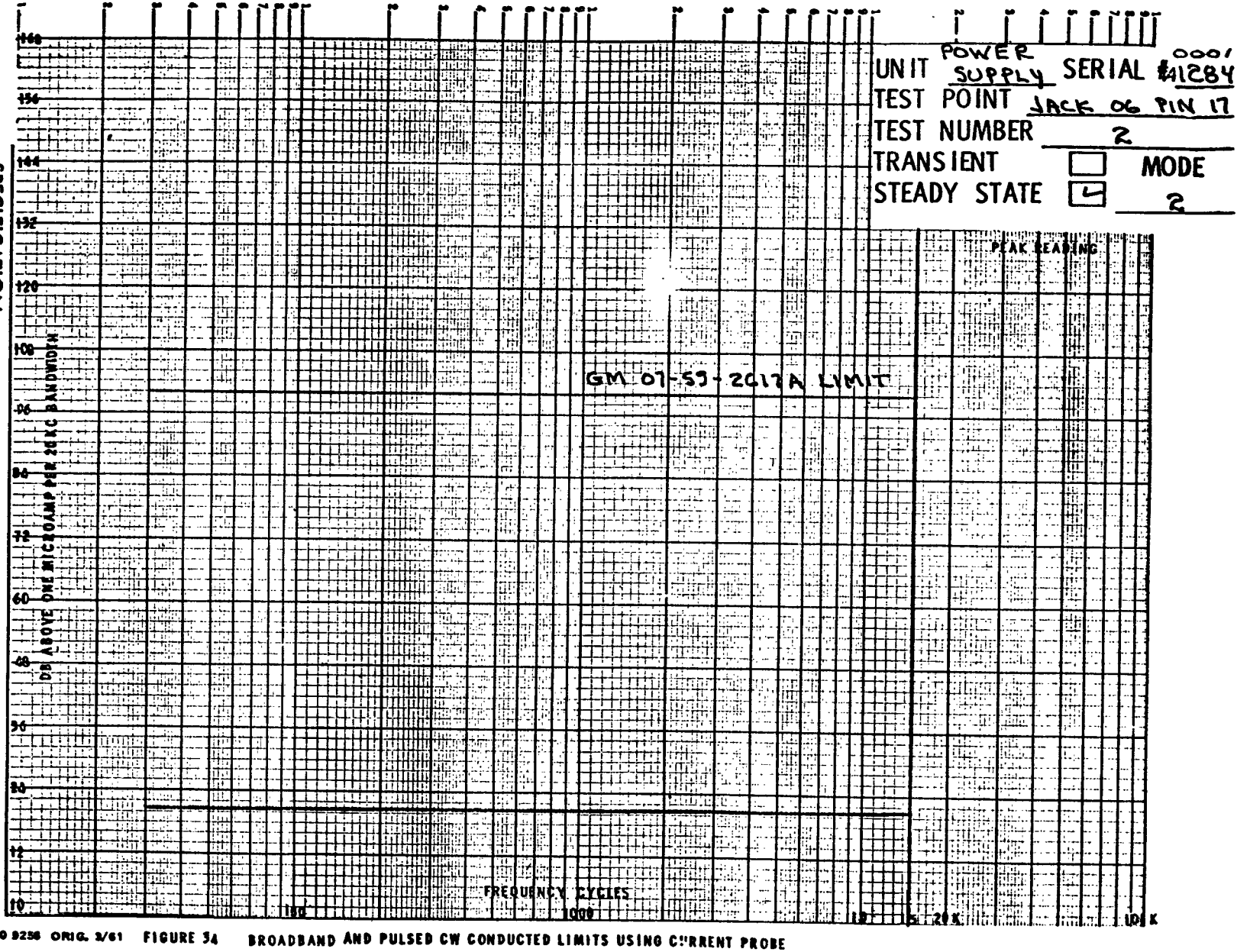
U3 4880 9250 ORIG. 2/61 FIGURE 54 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION

U3 4600 9248 ORIG. 1/61 Rev 4-8-63

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SPECIFICATION

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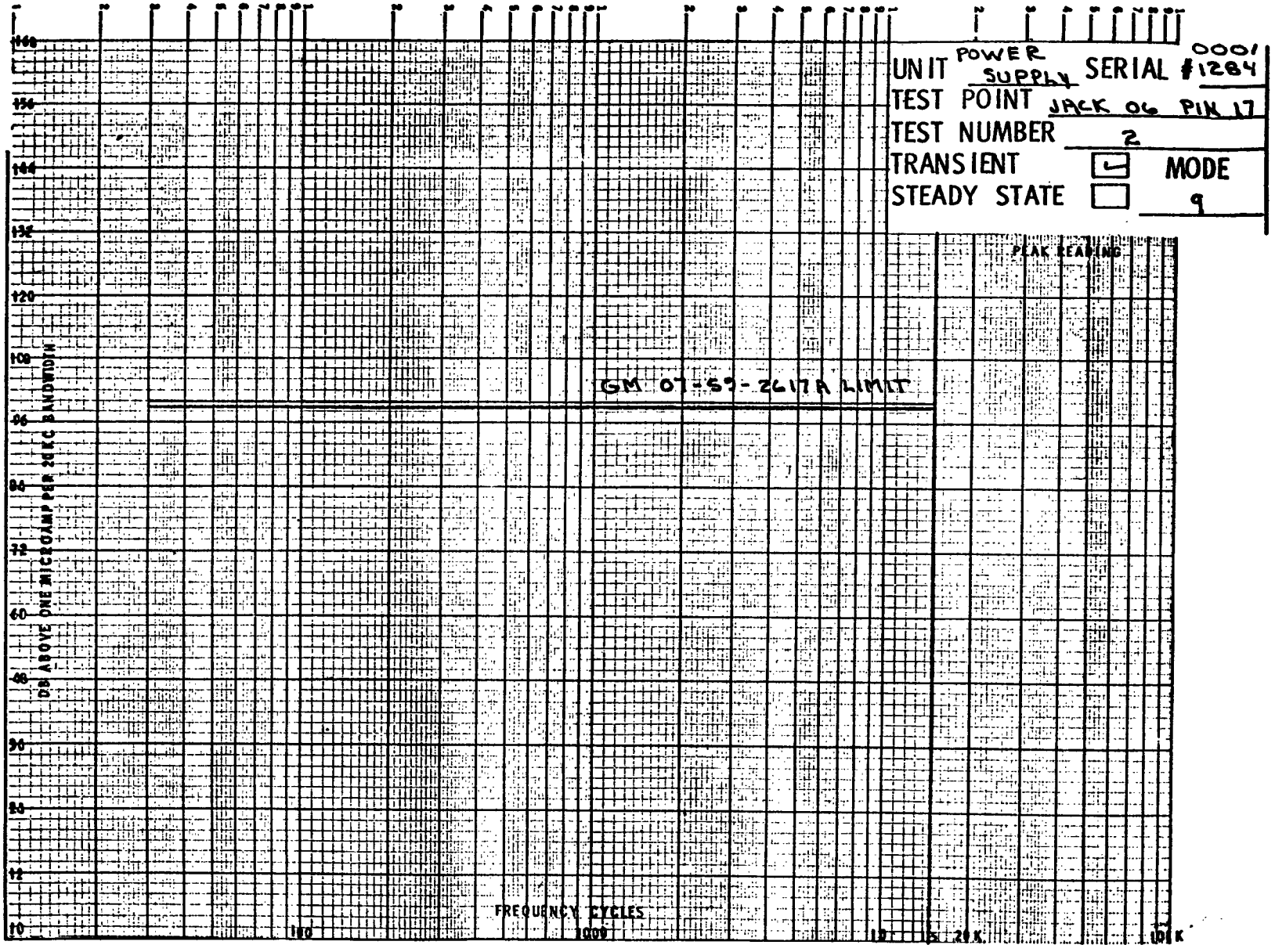
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U3 4500 9256 ORIG. 3/61 FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE



SPECIFICATION

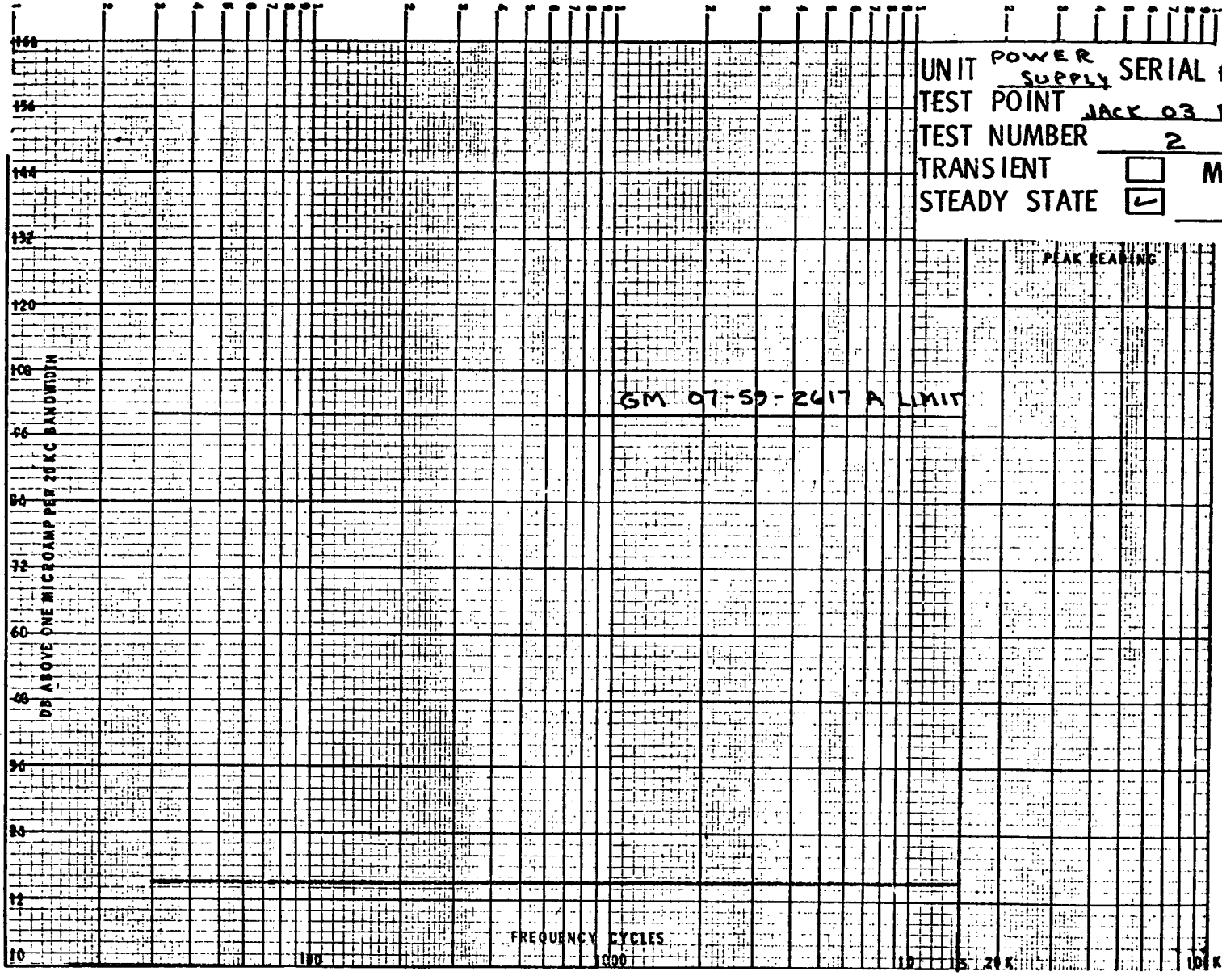
Rev 4-8-63

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US 4800 9256 ORIG. 3/61 FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE



SPECIFICATION

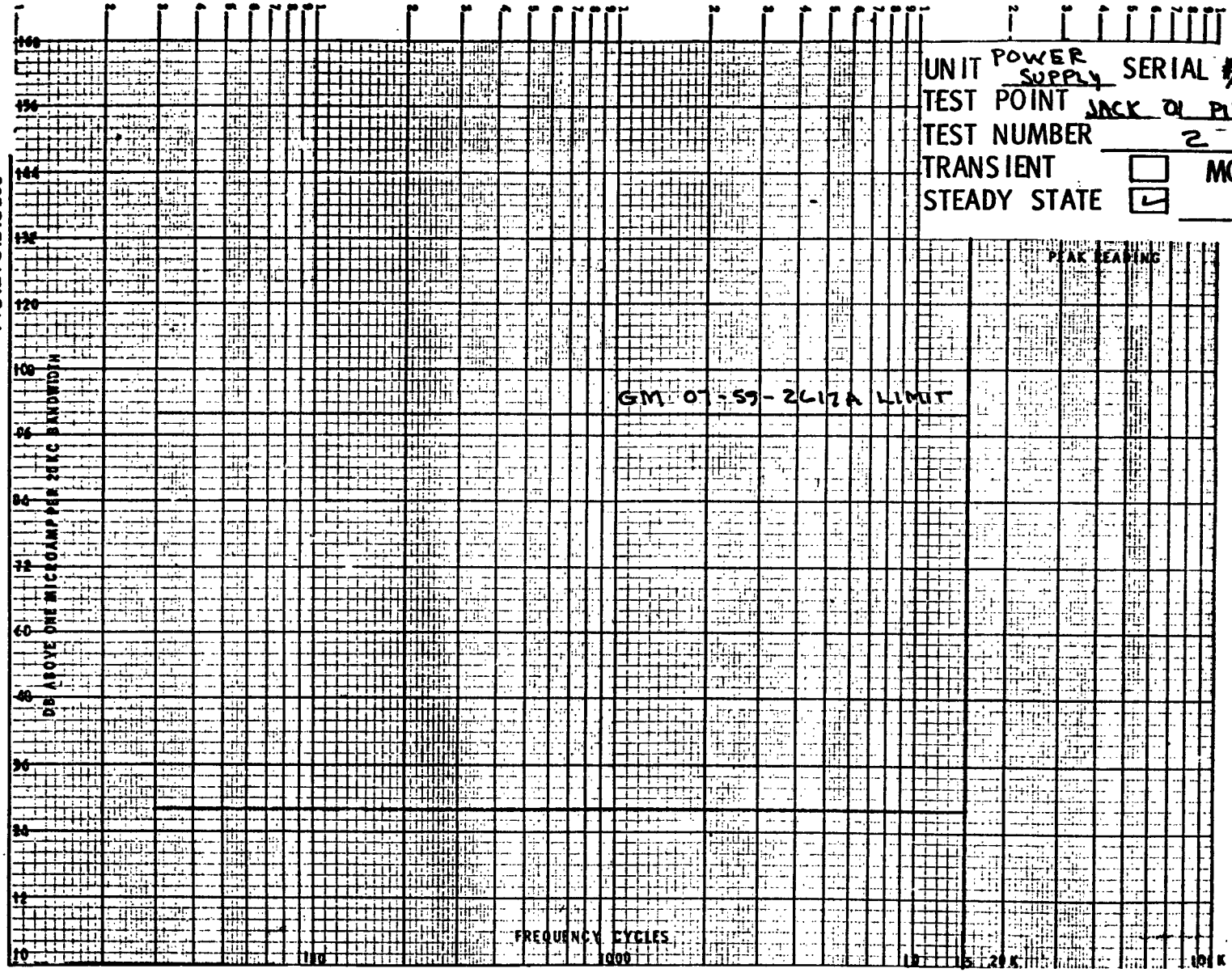
Part 4-8-63

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U3 4800 9256 ORIG. 3/61 FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

SPECIFICATION _____



SPECIFICATION

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R

US 4800 9256 ORIG. 3/61 FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

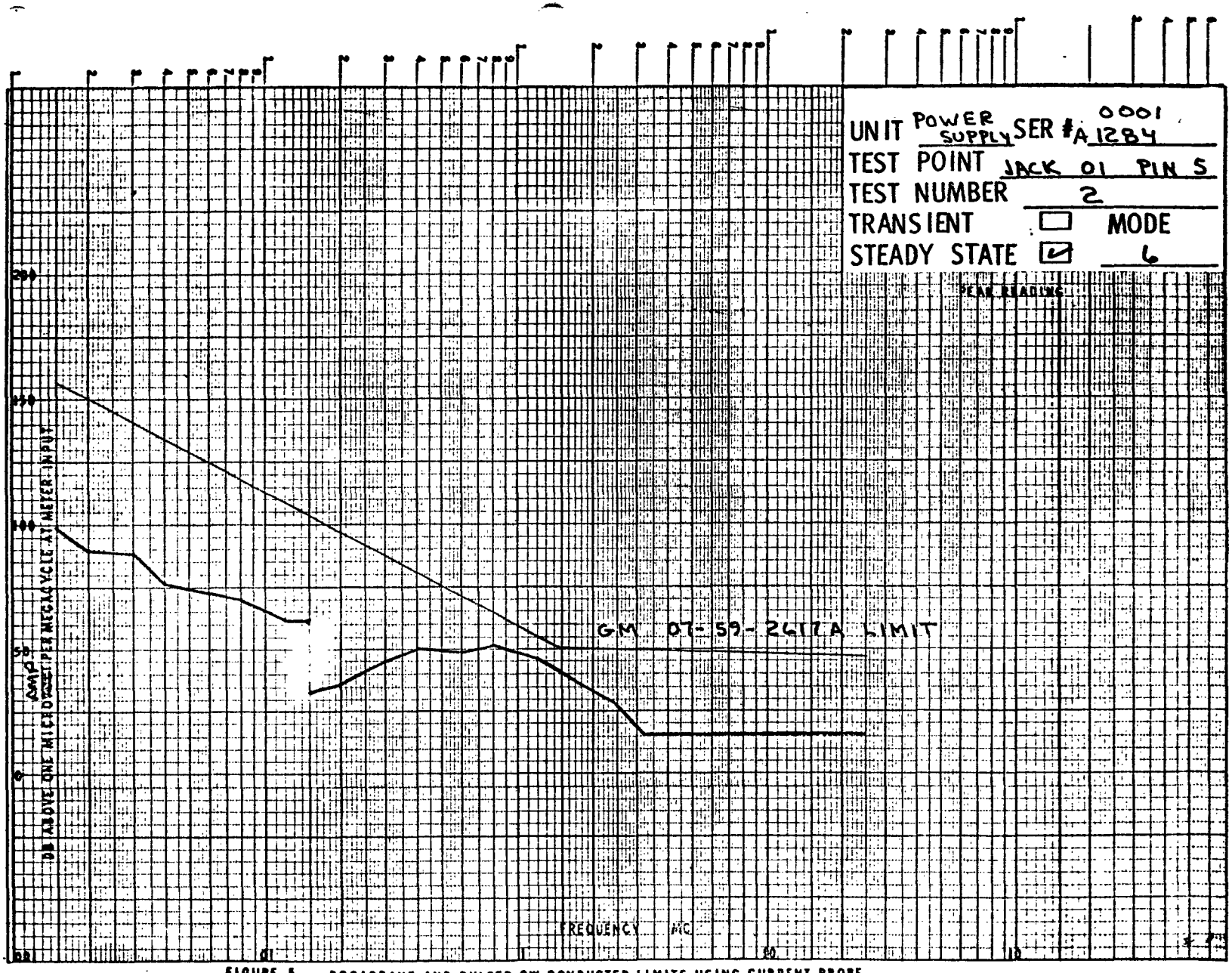


FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

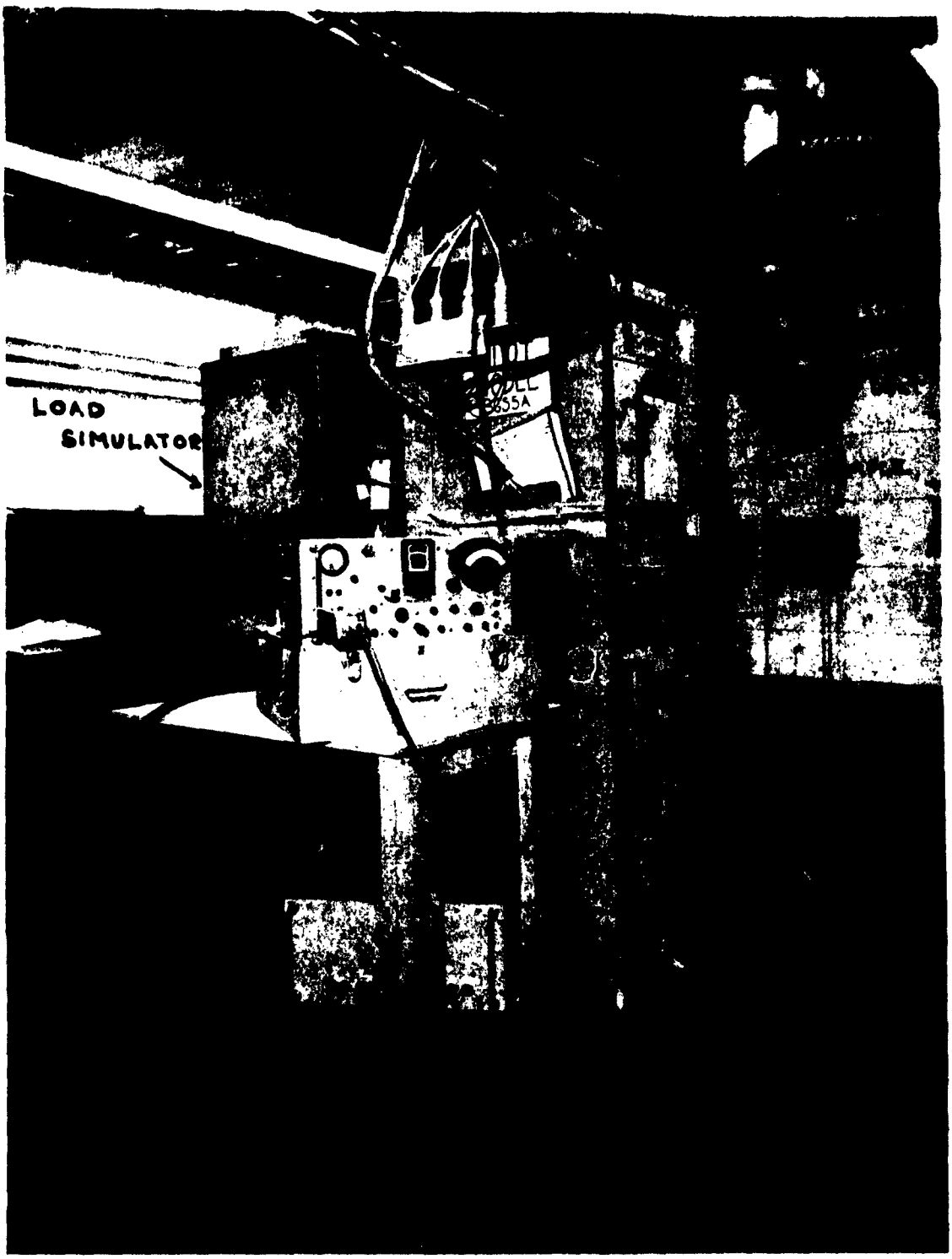
Rev 4-8-63

US 4800 8238 ORIG. 3/61 FIGURE 34 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

FIGURE 5 BROADBAND AND PULSED CW CONDUCTED LIMITS USING CURRENT PROBE

APPENDIX IV

Photographs



			REVISED	DATE	CONDUCTED INTERFERENCE POWER SUPPLY NUMBER 1	T2-2768
CALC						JSR 1
CHECK						VOL I
APPD						
APPD					BOEING AIRPLANE COMPANY	PAGE 142

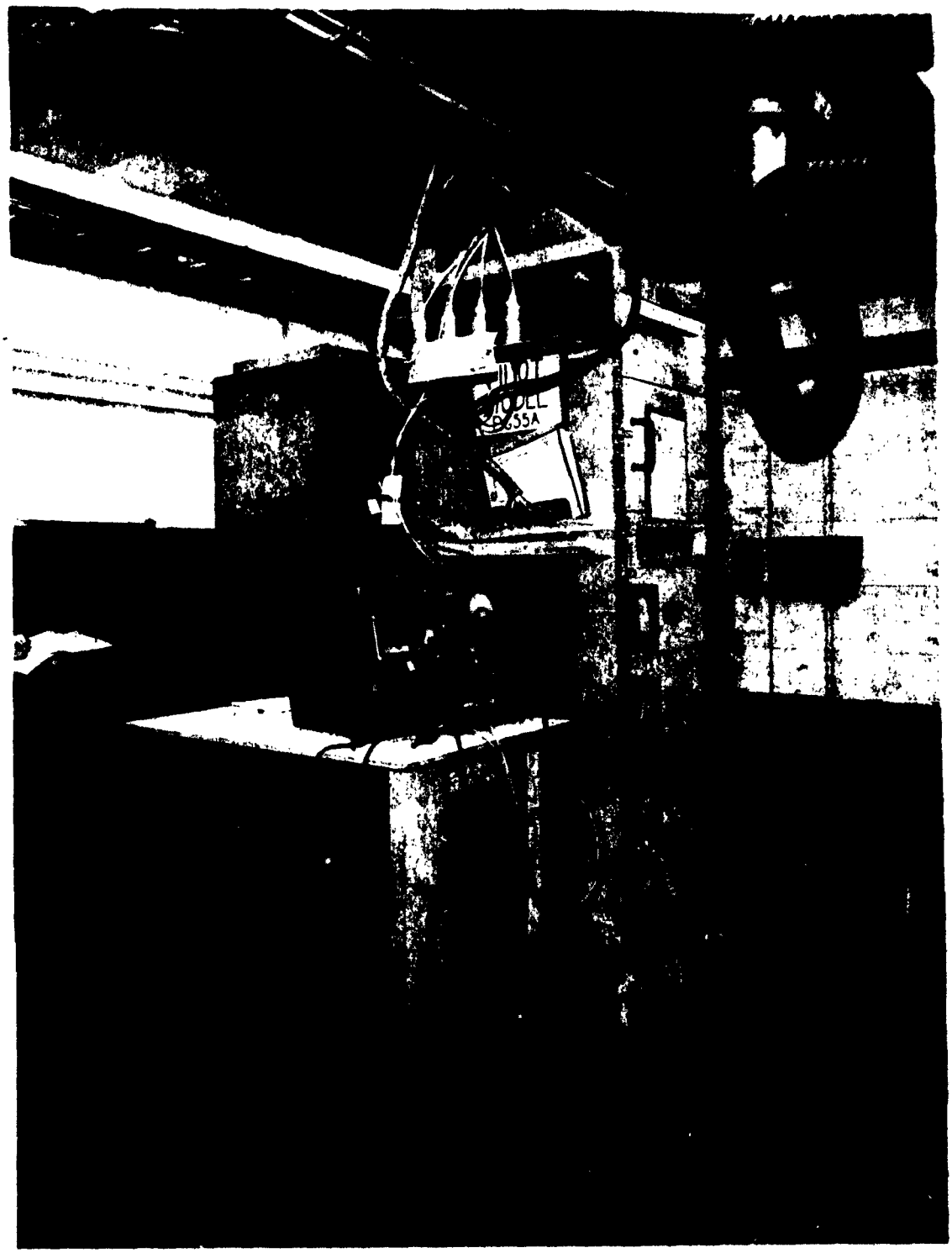
R

2-7000

U3 4036 3000 (WAS BAC 973D-R3)

REV 4-8-63

MIN... POWER SUPPLY SET NO. 1 DC LAUNCH 28/964-7
306 >-A RADIO INTERFERENCE TEST 9-6-61

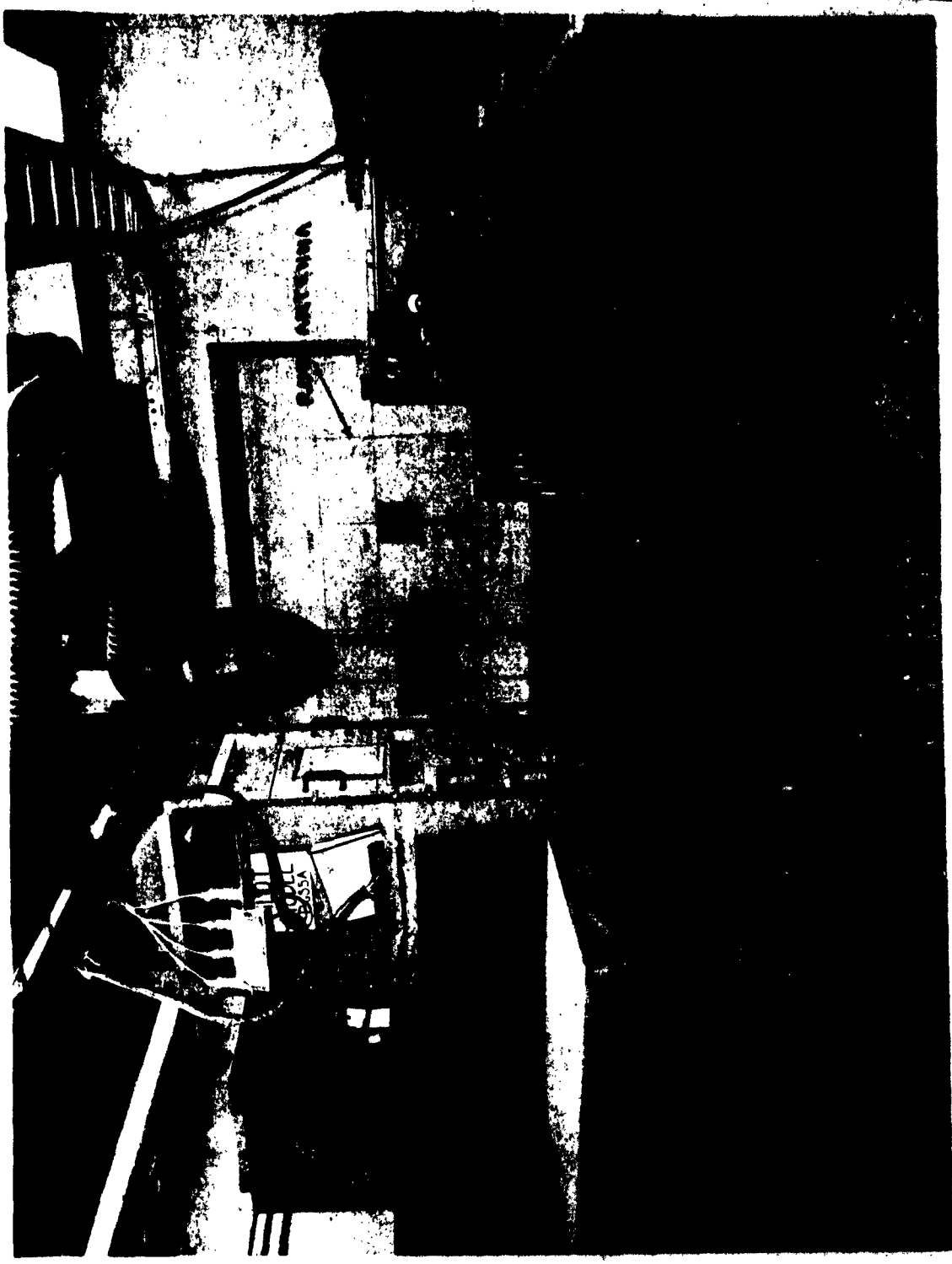


CALC				REVISED	DATE	CONDUCTED INTERFERENCE POWER SUPPLY NUMBER 1
CHECK						
APPD						
APPD						
						BOEING AIRPLANE COMPANY

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U3 4038 3000 (WAS BAC 973D-R3) REV 4-8-63

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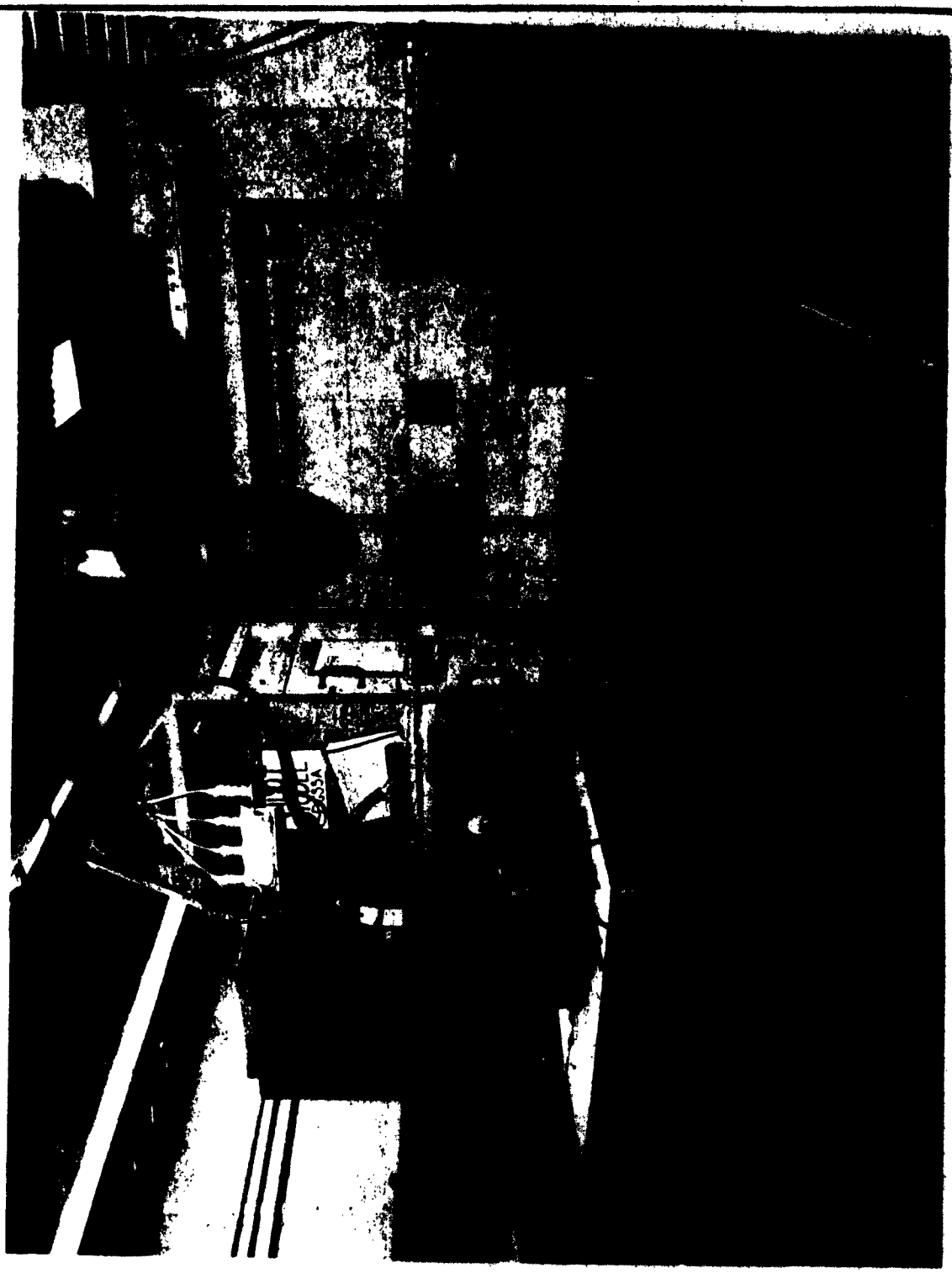


CALC			REVISED	DATE	RADIATED INTERFERENCE POWER SUPPLY NUMBER 1
CHECK					
APPD					
APPD					
					BOEING AIRPLANE COMPANY

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3000 (WAS BAC 973D-R3)

AEV 4-8-63



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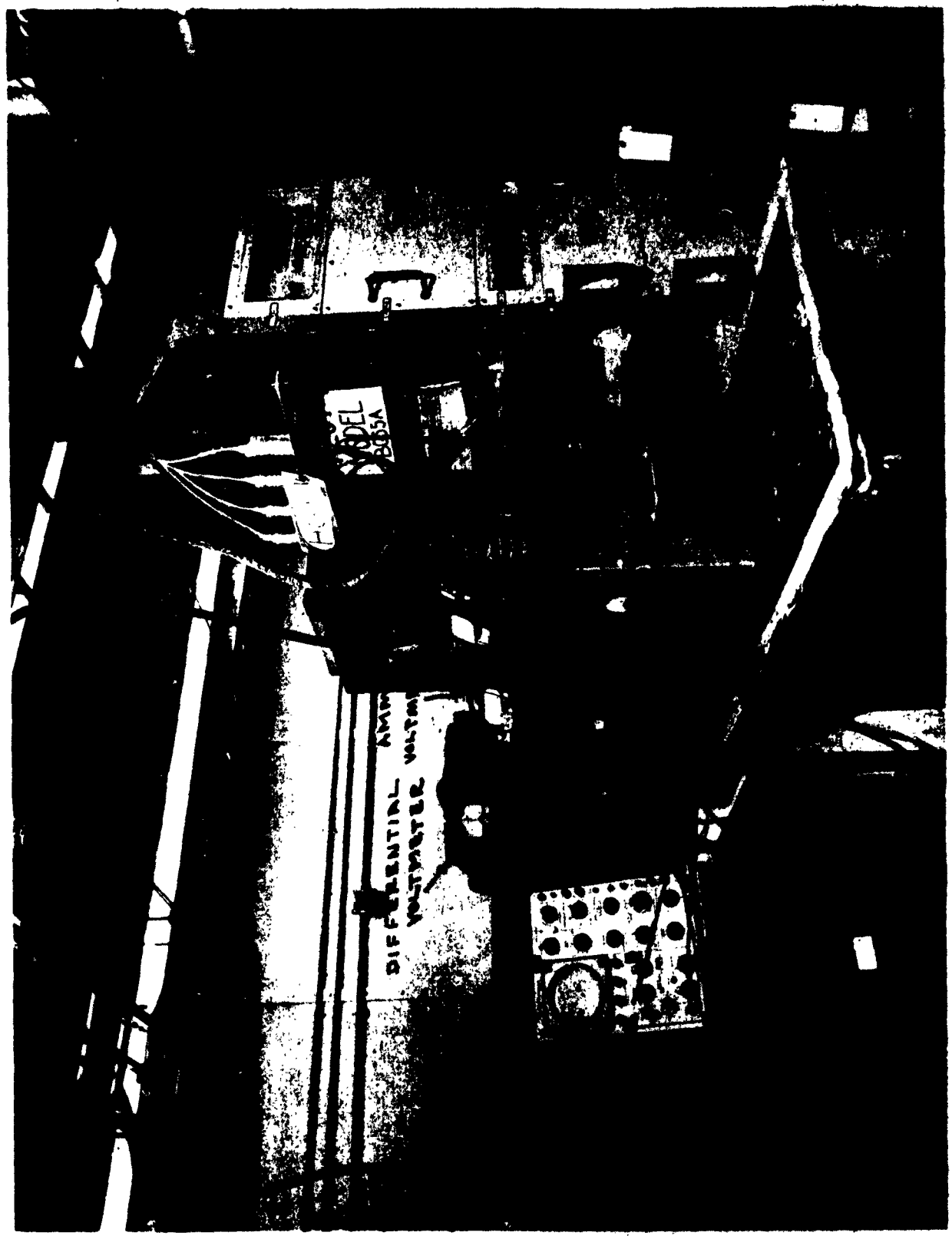
RADIATED INTERFERENCE
POWER SUPPLY NUMBER 1

BOEING AIRPLANE COMPANY

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U3 4036 3000 (WAS BAC 973D-R3) REV 4-8-63

2-7000



MINUTEMAN POWER SUPPLY - CONDUCTED AF SUSCEPT- ab655/
IBILITY 9-13-61 (R.F.I. Test SETUP)

T2-2768

Rev 4-9-63

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VOL 1

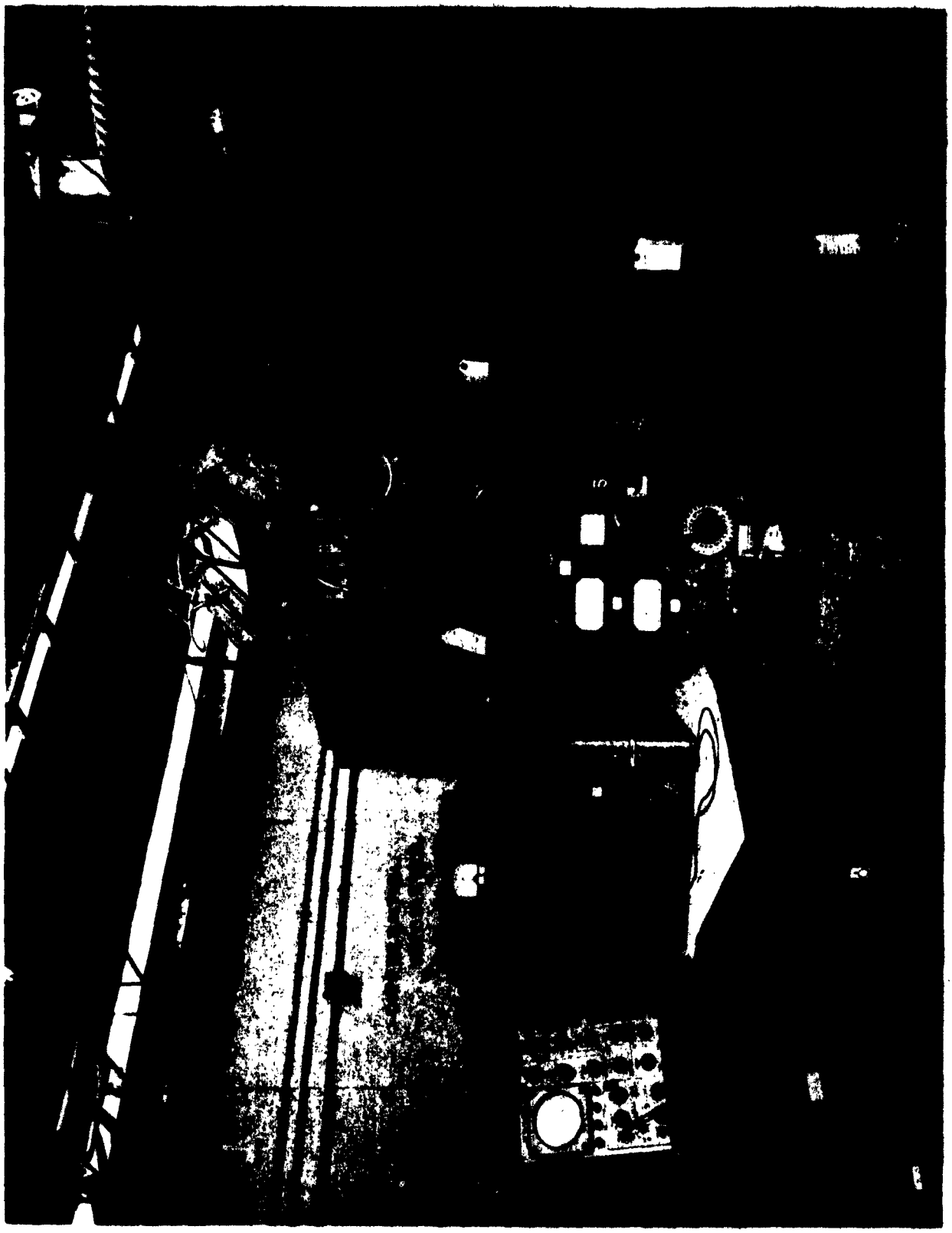


MINUTEMAN R.F.I. TEST SETUP - CONDUCTED EMISS- ...MS999
EMPI SUSCEPTIBILITY 9-13-61

REV 4-8-63

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HOT



REV 4-8-63

KINETICS R.F.I. TEST SETUP - RF CONDUCTED
SUSCEPTIBILITY 9-13-61

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APPENDIX V

Test Equipment and Facilities

FACILITIES

SHIELDED ROOM:

TYPE: Double wall-solid-cell type

SIZE: 19.5 feet by 10 feet by 8 feet

MANUFACTURER: Eccoshield RF Shield Chamber No. 170-RM-B
by Emerson and Cuming, Boston, Massachusetts.
BAC. SPEC. PAD-214-3rd. Rev.

Location: BAC 2.01 Building, Lab. 1

TEST EQUIPMENT

ITEM	NOMENCLATURE	MAKE & MODEL		SERIAL NO.	CALIB. EXPIRES
	Field Intensity Meter	Stoddart	NM-40A	246-4	9-12-61
	Field Intensity Meter	Stoddart	NM-10A	159-3	9-28-61
	Field Intensity Meter	Empire	NF-105	1883	11-30-61
	Current Probe	Stoddart	91550-1	273-95	NA
	Current Probe	Stoddart	91550-1	277-67	NA
	Current Probe	Stoddart	91550-1	345-18	NA
	Current Probe	Stoddart	91550-1	277-66	NA
	P-P Voltmeter	Electronic		234	9-26-61
	AC Voltmeter	Weston		U.S.SEC-29122	10-2-61
	Differential Voltmeter	John Fluke	800	472	9-20-61
	R.M.S. Voltmeter	H. Packard	400C	S.F.C41440	9-26-61
	R.M.S. Voltmeter	H. Packard	400C	S.F.C27824	9-18-61
	Signal Generator	H. Packard	608A	655	10-19-61
	Signal Generator	H. Packard	612A	BAC172344	10-11-61
	Signal Generator	H. Packard	650A	BAC 126052	11-14-61
	Pulse Generator	Rutherford	B7B	BAC 506826	9-27-61
	Oscilloscope	Tektronix	545	BAC 198302	9-29-61
	Attenuator	BAC	---	BAC 54208	10-18-61
	Attenuator	BAC	---	BAC 159911-A	2-15-62
	60W Amplifier	McIntosh	Mc-60	c/c No. 10305	3-6-62
	2.1 Transformer	BAC		TACWP 1974	NA
	Load Simulator	BAC	1284	25-28997	NA

			REVISED	DATE	TEST EQUIPMENT	Seq
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MODEL WS-133A

DOCUMENT NUMBER T2-2786

SECTION OR ADDENDUM NO. II

TITLE

Electro-Interference Test on Minuteman

Figure "A" 1284 Power Supply Group. 1 R

NO. OF PAGES 145

DATE

Quality Control R E Shafer

Test Conducted by L R Dickson

PREPARED BY L. R. Dickson
L. R. Dickson

APPROVED BY David J. Ibe
H. H. Judson, Jr.

APPROVED BY R. E. Goodwin

APPROVED BY

WORK ORDER | UNIT NO. | ITEM NO.

Sub-section title page
Documents

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PAGE 1
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FEB 24 1962

Revised 11-26-62
REV 4-8-63

BAC 1142 A

2-7000

MODEL W8-133A DOCUMENT NO. T2-2786

TITLE Electro-Interference Test on Minuteman Figure "A" 1284 Power Supply Group

R

REVISIONS				ADDITIONS			
PAGE	DATE	PAGE	DATE	PAGE	DATE	PAGE	DATE

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1.0 REFERENCES

1.1 BAC, D2-9801 "Electro-Interference Test Plan for Operational WS-133 A Equipment."

1.2 BAC, D2-11802 "Electro-Interference Test Requirements for Power Supply Set, DC, LF, Figure "A" 1284

1.3 STL-GM-07-59-2617A (Reference Only) "Electro-Interference Control Requirements for Minuteman (WS-133A).

2.0 ADMINISTRATIVE DATA

2.1 NOMENCLATURE

Test Sample - BAC Power Supply Set No. 1, DC, LF;
Part Number 25-22552-28, Serial Number 0002.

2.1.1 ABBREVIATIONS

dbma - Decibels above one microampere per megacycle.
dbmc - Decibels above one microvolt per megacycle.

2.2 PURPOSE

The purpose of this test was to provide, by actual testing, and recording of data, information on electro-interference generation and electro-interference susceptibility of the Test Sample during several modes of Test Sample operation as outlined in reference 1.2 and also to investigate various suppression devices for use in conjunction with this item. Tests on the first unit, serial number 0002, were reported in Section I of this document.

2.3 DESCRIPTION

Power Supply Set Number 1, serial number 0002, DC, LF; Figure "A" 1284, consists of one cabinet rack, BAC 25-22552-28, containing the following items:

Nomenclature	Drawing Number	Quantity
PS 28 V dc, 36 amp	25-22622	2
PS 28 V dc, 24 amp	25-22621	1
PS 28 V dc, 12 amp	25-22620	1
DC Panel	25-24907-2	1
AC Panel	25-24907-1	1
Connector Panel (with dc relays)	25-22522-3	1

The Test Sample is part of an auxiliary ground power system which provides necessary launch power for the Minuteman missile in case of primary ground power system failure. The Test Sample requires 120/208 ± 2% volts, 400 cycle, 3-phase input power. Voltage regulation is provided for a rated steady-state output of 28 ± 0.1 volts dc. It also requires 51 ± 6°F. input cooling air.

3.0 SUMMARY

The Test Sample was tested as Class III equipment as defined reference 1.3. Broadband, interference tests, both radiated and conducted, were performed. Susceptibility tests, as set forth in reference 1.2, were also performed. Because the Test Requirements Document for the Test Sample did not call out any specification limits to test to, the limits shown on the test data sheets are for reference purposes only.

The 24 amp power supply (Drawer A2) failed before the completion of the electro-interference test. However, ECP 13 has deleted this drawer from future BAC manufactured, Figure "A" 1284 Set Number 1, Power Supply Units. Therefore, this test report does not include test data on the leads to the drawer deleted by the above mentioned ECP.

Radiated, broadband, transient interference, generated by manually operating relays and circuit breakers, exceeded the limits of reference 1.3 above 0.15 megacycles. Radiated, broadband, steady-state interference exceeded the limits between 0.15 to 1.4 megacycles in some modes.

Conducted, broadband, transient interference, measured on the ac and dc power leads, exceeded the limits of reference 1.3 at most frequencies. Conducted, broadband, steady-state interference measured on the ac and dc power leads exceeded the limits below 3.3 megacycles on some lines.

The voltage of the Test Sample did not deviate from its normal steady-state output during susceptibility tests.

Interference suppression measures were designed and installed for test and evaluation. After the application of such measures, the Test Sample electro-interference noise level was found to be much lower.

Appendixes II and III contain the tabulated and plotted test data, for both before and after suppression, of the Test Sample.

4.0 TEST CONDITIONS

The electro-interference tests were conducted in Laboratory I, Screen Room 16-201, of the 2.01 Building. All ambient interference levels, for both the room and the line, were below the internal noise level of the measuring instruments.

The Test Sample was placed on a copper ground plane which was 24 square feet in area. The Test Sample was bonded to the ground plane by four copper straps connected to the corners of its base. The load simulator was bonded to the ground plane by its external ground terminal. Forced air cooling, as specified in reference 1.2, was piped into the Test Sample through shielded inlet ducts and the Test Sample's input voltage was maintained at 120/208 $\pm$ 2% volts. The input power leads and the load cables met the requirements set forth in reference 1.1. Line stabilization networks and current probes were used in accordance with the requirements of references 1.1 and 1.2. An auxiliary power supply was used to supply the 28-volt direct current necessary to operate relays K_1 and K_2.

4.1 TEST OPERATION

The Test Sample and load simulator were set up to operate in accordance with the methods described in references 1.1 and 1.2. Satisfactory functional operation on the assembled test setup was performed before the electro-interference tests were begun. During electro-interference testing, the Test Sample was shut down if the following conditions, as stated by the Design Engineer, occurred:

1. The input cooling air to the Test Sample exceeded 51° $\pm$ 6°F.

2. The difference between the input and output cooling air temperature was greater than 15°F.

Relays K_1 and K_2 and circuit breakers of the Test Sample were manually opened and closed by operating switch (SW1) located at the load simulator.

5.0 TEST PROCEDURES

The test procedures used for this electro-interference test were those described by references 1.1 and 1.2. The NM-20A 41-inch rod antenna was used with the NM-10A as called out in reference 1.1.

Modes 1, 2, 6 and 7 were set up to measure broadband, steady-state, electro-interference. Modes 3, 4, 5, 8 and 9 were set up to measure broadband, transient, electro-interference generated by normal switch and circuit breaker operation. Each switch and circuit breaker operation was performed a minimum of six times and the highest interference level was recorded.

Susceptibility modes 10 through 22 were set up to determine any deviation from the Test Sample's normal steady-state output due to injected susceptibility signals.

6.0 Test Results

Threshold of sensitivity levels were plotted for both radiated and conducted electro-interference tests and were found to be well below the limits of reference 1.3. Threshold of sensitivity is defined as "the meter internal noise level when the input is terminated in the applicable dummy impedance plus the transducer corrections factor for the particular test being performed."

It is noted that the test results shown for radiated measurements indicate a substantial variation in readings at 150 KC. Those readings taken with the NM-10 are consistantly less than those taken with NF-105. This discrepancy has been evident in all Minuteman testing to date. The major reason for this difference in readings is due to the use of the NM-20 41-inch antenna (Stoddart 90291) with the NM-10A as required by D2-9801 Test Plan and GM--07-59-2617A specification.

6.1 Before Suppression

Radiated, broadband, transient interference exceeded the limits of reference 1.3 in the following modes:

Mode 3 - between 0.15 to 440 megacycles by as much as 54 db/mc
Mode 4 - between 0.15 to 280 megacycles by as much as 41 db/mc
Mode 5 - between 0.15 to 300 megacycles by as much as 33 db/mc

Radiated, broadband, steady-state interference exceeded the limits of reference 1.3 in the following modes:

Mode 1 - between 0.15 to 1.4 megacycles by as much as 17 db/mc
Modes 2 and 6 - between 0.15 to 1.4 megacycles by as much as 20 db/mc
Mode 7 - between 0.15 to 1.3 megacycles by as much as 22 db/mc

Conducted, broadband, transient interference exceeded the limits of reference 1.3 on the following lines:

Jack 09, Pin 1, Mode 3--between 30 to 25×10^6 cycles by as much as 92 db/mc
Jack 09, Pin 1, Mode 4--between 30 to 25×10^6 cycles by as much as 76 db/mc
Jack 09, Pin 1, Mode 8--between 30 to 25×10^6 cycles by as much as 67 db/mc
Jack 09, Pin 2, Mode 3--between 30 to 25×10^6 cycles by as much as 77 db/mc
Jack 09, Pin 2, Mode 4--between 30 to 25×10^6 cycles by as much as 55 db/mc
Jack 09, Pin 2, Mode 8--between 30 to 25×10^6 cycles by as much as 57 db/mc
Jack 09, Pin 3, Mode 3--between 0.015 to 25 megacycles by as much as 84 db/mc
Jack 09, Pin 3, Mode 4--between 0.015 to 25 megacycles by as much as 74 db/mc
Jack 09, Pin 3, Mode 8--between 30 to 25×10^6 cycles by as much as 70 db/mc
Jack 08, Pin 5, Mode 5--between 0.22 to 25 megacycles by as much as 38 db/mc

6.1 Before Suppression (continued)

Conducted, broadband, steady-state interference exceeded the limits of reference 1.3 on the following lines:

Jack 09, Pin 1, Mode 1--between 0.018 to 3.1 megacycles by as much as 40 db/mc
Jack 09, Pin 1, Mode 2--between 30 to 3.1×10^6 cycles by as much as 40 db/mc
Jack 09, Pin 2, Mode 1--between 0.017 to 2 megacycles by as much as 35 db/mc
Jack 09, Pin 2, Mode 2--between 30 to 2.7 megacycles by as much as 40 db/mc
Jack 09, Pin 3, Mode 1--between 0.015 to 3.2 megacycles by as much as 37 db/mc
Jack 09, Pin 3, Mode 2--between 0.015 to 2.7 megacycles by as much as 36 db/mc
Jack 09, Pin 4, Mode 1--between 0.028 to 2.6 megacycles by as much as 34 db/mc
Jack 09, Pin 4, Mode 2--between 30 to 2.4 megacycles by as much as 32 db/mc
Jack 01, Pin 19, Mode 2--between 0.58 to 25 megacycles by as much as 20 db/mc
Jack 08, Pin 5, Mode 2--between 1.0 to 1.3 megacycles by as much as 3 db/mc

Susceptibility tests indicated that the Test Sample did not deviate from its normal steady-state voltage output of 28 ± volts dc.

6.2 After Suppression

Figure 1, page 13, shows the suppression measures installed in each drawer and across each mode operated circuit breaker of the Test Sample. Using the configuration shown in Figure 1, the following results were obtained:

Radiated, broadband, transient interference exceeded the limits of reference 1.3 in the following modes:

Mode 3 - between 0.018 to 420 megacycles by as much as 50 db/mc
Mode 4 - between 0.02 to 260 megacycles by as much as 35 db/mc
Mode 5 - between 0.02 to 280 megacycles by as much as 31 db/mc

Radiated, broadband, steady-state interference exceeded the limits of reference 1.3 in the following modes:

Mode 1 - between 0.025 to 0.052 megacycles by as much as 7 db/mc
Modes 2 and 6 - between 0.019 to 0.041 megacycles by as much as 5.5 db/mc
Mode 7 - between 0.019 to 0.043 megacycles by as much as 5 db/mc

Conducted, broadband, transient interference exceeded the limits of reference 1.3 on the following lines:

Jack 09, Pin 1, Mode 3--between 0.017 to 25 megacycles by as much as 58 db/mc
Jack 09, Pin 1, Mode 4--between 0.018 to 25 megacycles by as much as 52 db/mc
Jack 09, Pin 1, Mode 8--between 0.021 to 25 megacycles by as much as 47 db/mc
Jack 09, Pin 2, Mode 3--between 0.018 to 25 megacycles by as much as 57 db/mc
Jack 09, Pin 2, Mode 4--between 0.017 to 25 megacycles by as much as 47 db/mc
Jack 09, Pin 2, Mode 8--between 0.02 to 25 megacycles by as much as 42 db/mc
Jack 09, Pin 3, Mode 3--between 0.015 to 25 megacycles by as much as 52 db/mc
Jack 09, Pin 3, Mode 4--between 0.017 to 25 megacycles by as much as 49 db/mc
Jack 09, Pin 3, Mode 8--between 0.019 to 25 megacycles by as much as 47 db/mc
Jack 08, Pin 5, Mode 5--between 1.1 to 25 megacycles by as much as 35 db/mc

6.2 After Suppression (continued)

Conducted, broadband, steady-state interference exceeded the limits of reference 1.3 on the following lines:

Jack 09, Pin 1, Mode 1--between 0.02 to 0.15 megacycles by as much as 25 db/mc
Jack 09, Pin 1, Mode 2--between 0.022 to 1.8 megacycles by as much as 25 db/mc
Jack 09, Pin 2, Mode 1--between 0.018 to 0.09 megacycles by as much as 22 db/mc
Jack 09, Pin 2, Mode 2--between 0.018 to 0.09 megacycles by as much as 25 db/mc
Jack 09, Pin 3, Mode 1--between 0.019 to 1.6 megacycles by as much as 25 db/mc
Jack 09, Pin 3, Mode 2--between 0.018 to 1.8 megacycles by as much as 26 db/mc
Jack 09, Pin 4, Mode 1--between 0.024 to 1.7 megacycles by as much as 20 db/mc
Jack 09, Pin 4, Mode 2--between 0.025 to 2.4 megacycles by as much as 22 db/mc
Jack 01, Pin 20, Mode 2--between 1.4 to 2.4 megacycles by as much as 5 db/mc
Jack 01, Pin 19, Mode 2--between 1.2 to 2.5 megacycles by as much as 12 db/mc

7.0 CONCLUSIONS

The levels of electro-interference obtained on this test were nearly the same as those obtained on the electro-interference test of the first unit, serial number 0001. However, the maximum electro-interference levels measured were, in most instances, higher on this test than were the maximum electro-interference levels measured on the first unit. This difference was as much as 15 db/mc higher for the radiated, broadband, transient electro-interference level--mode 3.

The test results obtained "after suppression" were much lower than those obtained "before suppression." However, in some instances, the electro-interference levels were not lowered to values below the specification limits as called out in reference 1.3. Further suppression measures are recommended, although it must be pointed out that to increase the value of inductance (L), shown in Figure 1, page 13, the output voltage of the Test Sample would change. A higher value of inductance would lower the electro-interference level, but it would also raise the Test Sample's output voltage. The voltage output from each individual power supply drawer was found to be:

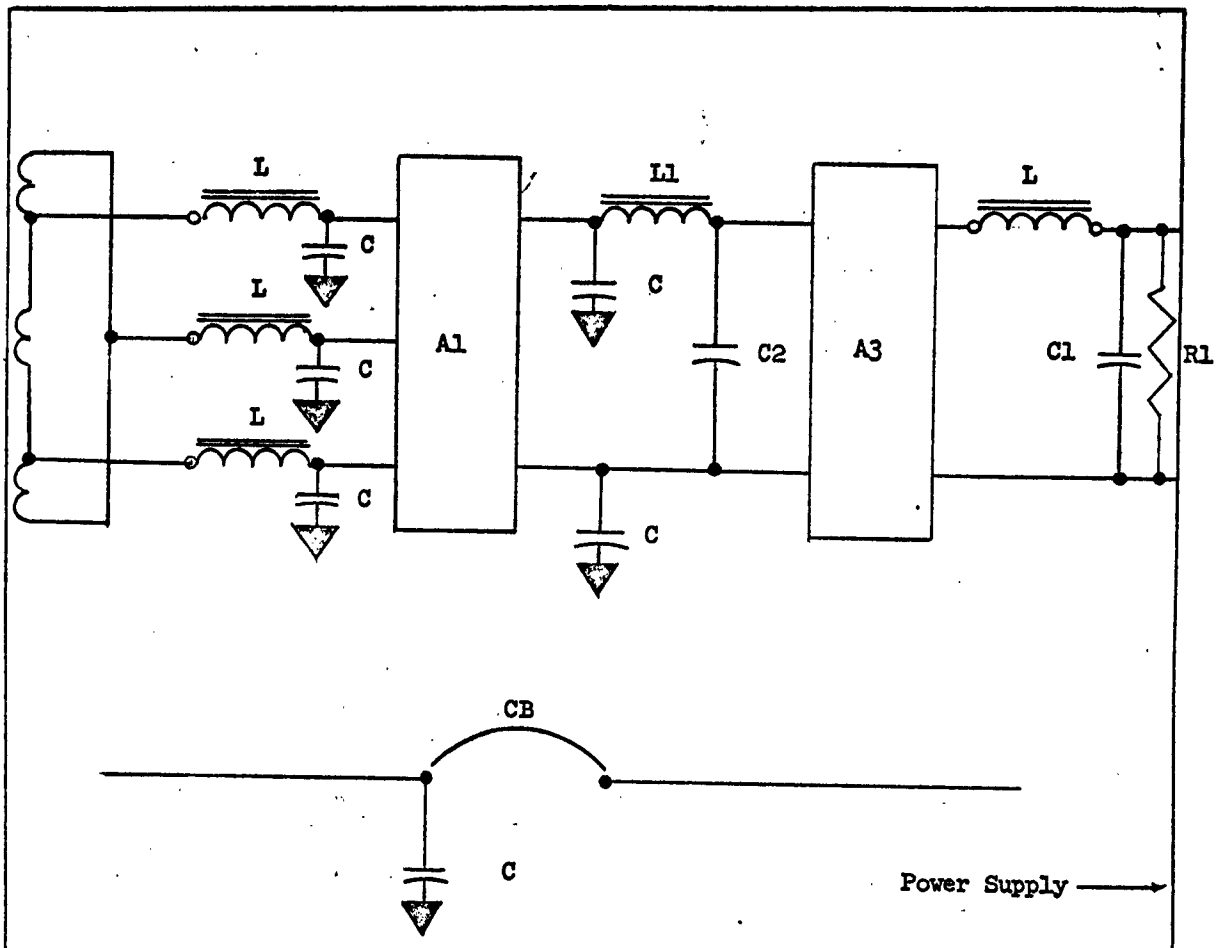
	"before suppression"	"after suppression"
Drawer A1	28.08 V dc	28.13 V dc
Drawer A3	28.02 V dc	28.16 V dc
Drawer A4	28.18 V dc	28.25 V dc

Since the output voltage, as set forth by reference 1.3, should be 28 $\pm$ 0.1 V dc, the Test Sample's output voltage after suppression measures were applied was out of tolerance. This out-of-tolerance condition limits the amount of inductance or type of "fix" that can be safely installed in the Test Sample.

Another approach to the reduction of the electro-interference noise level of the Test Sample would be to:

1. Improve the bonding of the Test Sample's cabinet in order to make it more electro-interference tight.

2. Install feed-through capacitors on the input and output leads of the Test Sample.



L= 20 μh
C= 1 μf

Reference Drawing 21-51555

Figure 1.

Electro-interference Suppression Measures Installed in the Test Sample

APPENDIX I

Sample Calculations

A. BROADBAND, CONDUCTED INTERFERENCE

1. Broadband, conducted, steady-state

a. Measuring Instrument (NM-40A)

Frequency of Measurement: 30 cps to 20 kc	
Meter Reading	113 db
Factor Per Par. 6.2 (D2-9801)	-20 db
Cable Loss	0
Total db above one microampere/20 kc BW	93

b. Measuring Instrument (NM-10A)

Frequency of measurement: 20 kc	
Current Probe Factor	12 db
Cable Loss	0 db
Meter Reading	142 db mc
Total current db above one microampere/mc BW	154

c. Measuring Instrument (NF-105)

Frequency of Measurement: 0.20 mc	
Current Probe Factor	-6.2 db
Cable Loss	0 db
Meter Reading	129 db mc
Total current db above one microampere/mc BW	122.8

B. BROADBAND RADIATED INTERFERENCE

1. Broadband, radiated, steady-state

a. Measuring instrument (NM-10A)

Frequency of Measurement: 0.02 mc	
Cable Loss	0 db
Meter Reading	91 db mc
Total antenna induced db above one microvolt/mc BW	91

b. Measuring Instrument (NF-105)

Frequency of Measurement: 0.2 mc	
Antenna Factor	36.4 db
Cable Loss	0 db
Meter Reading	52 db mc
Total antenna induced db above one microvolt/mc BW	88.4

APPENDIX II

Tabulated Data

Interference	Frequency	Mode	Jack and Pin		Before Suppression Data Page	After Suppression Data Page
Radiated Threshold	.015-1000MC	---	----		17	---
Radiated Ambient		---	----		18	---
Radiated		1	----		19,20	57,58
		2 & 6	----		21,22	59,60
		3	----		23,24	61,62
		4	----		25,26	63,64
		5	----		27,28	65,66
Radiated	.015-1000MC	7	----		29,30	67,68
Conducted Ambient	30 cps-25MC	---	09	1,2,3,&4	31	---
Conducted		1	09	1	32,33	69,70
		2	09	1	32,34	69,71
		3	09	1	32,35	69,72
		4	09	1	32,36	69,73
		8	09	1	32,37	69,74
		1	09	2	32,38	69,75
		2	09	2	32,39	69,76
		3	09	2	32,40	69,77
		4	09	2	32,41	69,78
		8	09	2	32,42	69,79
		1	09	3	32,43	69,80
		2	09	3	32,44	69,81
		3	09	3	32,45	69,82
		4	09	3	32,46	69,83
		8	09	3	32,47	69,84
		1	09	4	32,48	69,85
		2	09	4	32,49	69,86
		2	08	5	32,50	69,87
		5	08	5	32,51	69,88
		2	01	20	32,52	69,89
		2	01	19	32,53	69,90
		2	03	3	32,54	69,91
		6	01	5	32,55	69,92
Conducted	30 cps-25MC	7	05	4	32,56	69,93

APPENDIX

BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

THRESHOLD RECEIVER NOISE LEVEL

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBMC	CABLE LOSS +DB	ANT. FACTOR +DB	CORRECTED LEVEL DBMC	DBMC
.015	72	<1.0	0	72	97
.02	70	↑	↑	70	96
.03	63	↑	↑	63	91
.04	62	↑	↑	62	88
.06	57	↑	↑	57	84
.08	59	↑	↑	59	82
.12	59	↑	↑	59	78
.15	61	<1.0	0	61	77
.15	28	<1.0	37	65	77
.2	33	↑	36.4	69.4	75
.3	28	↑	36.4	64.4	73
.4	24	↑	30.5	54.5	71
.6	22	↑	32.5	54.5	70
.8	23	↑	33.5	56.5	69
1.2	27	↑	27.5	54.5	69
1.6	29	↑	28	57	69
2.4	25	↑	23.6	48.6	68
3.2	27	↑	22.4	49.4	68
4.8	23	↑	23.5	46.5	68
6.4	24	↑	19.6	43.6	68
10	22	↑	18.4	40.4	67
12	22	↑	19.6	41.6	67
20	24	↑	14	38	66
25	24	↑	14.8	38.8	66
35	21	↓	8	29	50
50	21	<1.0	↑	29	51
70	23	1.0	↑	32	52
100	25	1.3	↑	34.3	53
150	25	1.6	↑	34.6	54
200	25	1.9	↑	34.9	55
250	20	2.2	↑	30.2	56
300	19	2.4	↑	29.4	56
350	18	2.6	↑	28.6	57
400	21	2.8	↑	31.8	57
500	10	3.1	↑	21.1	58
600	9	3.4	↑	20.4	58
700	8	3.7	↑	19.7	59
800	11	4.0	↑	23	59
900	11	4.4	↑	23.4	60
1000	12.5	4.8	8	25.3	60

NM-10A, S/N 169-26
IMPULSE GENERATOR S/N 447
NF-105 S/N 1894

RECORDER	B. GLASS	TITLE FIG "A" BGS 5A,1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	E. CARYL	STATION 16-.201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
DATE	10/30/61	SECTION II	PAGE 17

APPENDIX

BEFORE SUPPRESSION

BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

AMBIENT INTERFERENCE LEVEL

FREQUENCY	INTERFERENCE LEVEL					SPEC LIMITS
MC		METER READING DBMC	CABLE LOSS +DB	ANT. FACTOR +DB	CORRECTED LEVEL DBMC	DBMC
.015	*	<72	<1.0	0	<72	97
.02	*	<70			<70	96
.03	*	<63			<63	91
.04	*	<62			<62	88
.06	*	<57			<57	84
.08	*	<59			<59	82
.12	*	<59			<59	78
.15	*	<61		0	<61	77
.15	*	<28		37	<65	77
.2	*	<33		36.4	<69.4	75
.3	*	<28		36.4	<64.4	73
.4	*	<24		30.5	<54.5	71
.6	*	<22		32.5	<54.5	70
.8	*	<23		33.5	<56.5	69
1.2	*	<27		27.5	<54.5	69
1.6	*	<29		28	<57	69
2.4	*	<25		23.6	<48.6	68
3.2	*	<27		22.4	<49.4	68
4.8	*	<23		23.5	<46.5	68
6.4	*	<24		19.6	<43.6	68
10	*	<22		18.4	<40.4	67
12	*	<22		19.6	<41.6	67
20	*	<24		14	<38	66
25	*	<24		14.8	<38.8	66
35	*	<21		8	<29	50
50	*	<21	<1.0		<29	51
70	*	<23	1.0		<32	52
100	*	<25	1.3		<34.3	53
150	*	<25	1.6		<34.6	54
200	*	<25	1.9		<34.9	55
250	*	<20	2.2		<30.2	56
300	*	<19	2.4		<29.4	56
350	*	<18	2.6		<28.6	57
400	*	<21	2.8		<31.8	57
500	*	<10	3.1		<21.1	58
600	*	<9	3.4		<20.4	58
700	*	<8	3.7		<19.7	59
800	*	<11	4.0		<23	59
900	*	<11	4.4		<23.4	60
1000	*	<12.5	4.8	8	<25.3	60

NM-10A, S/N 169-26 * RECEIVER NOISE

IMPULSE GENERATOR S/N 447

NF-105, S/N 1894

RECORDER	B. GLASS	TITLE FIG "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	F. CARY	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMC	BOEING AIRPLANE COMPANY AERO-SPACE DIVISION SEATTLE 24, WASH.	T2-2796
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BEFORE SUPPRESSION

BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODE 1

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBMC	CABLE LOSS +DB	ANT. FACTOR +DB	CORRECTED LEVEL DBMC	DBMC
15	91	<1.0	0	91	97
20	86	↑	↑	86	96
30	80			80	91
40	83			83	88
60	69			69	84
80	71			71	82
120	62	↓	↓	62	78
150	66	<1.0	0	66	71

NM-10 A SN 169-26
IMPULSE GENERATOR SN 447

RECORDER K. LINDBERG	TITLE FIG "A" BGS 5A, 1284 SET #1, 25-22552-28		MOD. WS-133A
OBSERVER L. DICKSON	STATION 16-201	TEST NO. 2	SER. NO. 0002
DATA UNITS DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2786
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODE 1

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBMC	ANT. FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMC	DBMC
0.15	51	37	<1.0	88	77
0.2	52	36.4	↑	88.4	75
0.3	49	36.4	↑	85.4	73
0.4	52	30.5	↑	82.5	71
0.6	51	32.5	↑	83.5	70
0.8	53	33.5	↑	86.5	69
1.2	54	27.5	↑	81.5	69
1.6	* <29	28	↑	<57	69
2.4	35	23.6	↑	58.6	68
3.2	* <27	22.4	↑	<49.4	68
4.8	* <23	23.5	↑	<46.5	68
6.4	* <24	19.6	↑	<43.6	68
10	* <22	18.4	↑	<40.4	67
12	* <22	19.6	↑	<41.6	67
20	* <24	14	↑	<38	66
25	* <24	14.8	↑	<38.8	66
35	* <21	8	↓	<29	50
50	* <21	↑	<1.0	<29	51
70	* <23	↑	1.0	<32	52
100	* <25	↑	1.3	<34.3	53
150	* <25	↑	1.6	<34.6	54
200	* <25	↑	1.9	<34.9	55
250	* <20	↑	2.2	<30.2	56
300	* <19	↑	2.4	<29.4	56
350	* <18	↑	2.6	<28.6	57
400	* <21	↑	2.8	<31.8	57
500	* <10	↑	3.1	<21.1	58
600	* <9	↑	3.4	<20.4	58
700	* <8	↑	3.7	<19.7	59
800	* <11	↑	4.0	<23	59
900	* <11	↓	4.4	<23.4	60
1000	* <12.5	8	4.8	<25.3	60

* RECEIVER NOISE LEVEL

NF-105, SN 1894

RECORDER	B. GLASS	TITLE FIG "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	E. CARYL	STATION 16 - 201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND [4] RADIATED [4] STABILIZATION NETWORK [4B] TRANSIENT [ ]

NARROWBAND [ ] CONDUCTED [ ] CURRENT PROBE [ ] STEADY STATE [4]

MODES 2 & 6

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBMC	CABLE LOSS +DB	ANT. FACTOR +DB	CORRECTED LEVEL DBMC	DBMC
15	98	<1.0	0	98	97
20	86			86	96
30	81			81	91
40	74			74	88
60	63			63	84
80	74			74	82
120	64			64	78
150	71	<1.0	0	71	77

NM-10A, SN 169-26
IMPULSE GENERATOR SN 447

RECORDER	K. LINDBERG	TITLE FIG "A" BGS 5A, 1284 SET # 1, 25-22552-28	MOD. WS-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODES 2 & 6

FREQUENCY		INTERFERENCE LEVEL							SPEC LIMITS
MC		METER READING DBMC		ANT FACTOR +DB		CABLE LOSS +DB		CORRECTED LEVEL DBMC	DBMC
0.15		52		37		<1.0		89	77
0.2		51		36.4				87.4	75
0.3		49		36.4				85.4	73
0.4		54		30.5				84.5	71
0.6		58		32.5				90.5	70
0.8		53		33.5				86.5	69
1.2		53		27.5				80.5	69
1.6	*	<29		28				<57	69
2.4	*	<25		23.6				<48.6	68
3.2	*	<27		22.4				<49.4	68
4.8	*	<23		23.5				<46.5	68
6.4	*	<24		19.6				<43.6	68
10	*	<22		18.4				<40.4	67
12	*	<22		19.6				<41.6	67
20	*	<24		14				<38	66
25	*	<24		14.8				<38.8	66
35	*	<21		8				<29	50
50	*	<21				<1.0		<29	51
70	*	<23				1.0		<32	52
100	*	<25				1.3		<34.3	53
150	*	<25				1.6		<34.6	54
200	*	<25				1.9		<34.9	55
250	*	<20				2.2		<30.2	56
300	*	<19				2.4		<29.4	56
350	*	<18				2.6		<28.6	57
400	*	<21				2.8		<31.8	57
500	*	<10				3.1		<21.1	58
600	*	<9				3.4		<20.4	58
700	*	<8				3.7		<19.7	59
800	*	<11				4.0		<23	59
900	*	<11				4.4		<23.4	60
1000	*	<12.5		8		4.8		<25.3	60

* RECEIVER NOISE LEVEL

NF-105, SN 1894

RECORDER	B. GLASS	TITLE FIG "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	E. CARYL	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH. SECTION II	T2-2786
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 3

FREQUENCY KC	INTERFERENCE LEVEL: METER READING DBMC	ANT. FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMC	SPEC LIMITS DBMC
15	98	0	<1.0	98	97
20	87	↓	↓	87	96
30	* 81	↓	↓	81	91
40	75	↓	↓	75	88
60	* 63	↓	↓	63	84
80	* 74	↓	↓	74	82
120	* 64	↓	↓	64	78
150	* 71	0	<1.0	71	77

* STEADY STATE OBSCURES TRANSIENT

NM-10A SN 169-26
IMPULSE GENERATOR, SN-447

RECORDER	H. WATSON	TITLE FIG "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 3

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBMC	ANT. FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMC	DBMC
.15	56	37	<1.0	93	77
.2	56	36.4		92.4	75
.3	48	36.4		84.4	73
.4	65	30.5		95.5	71
.6	73	32.5		105.5	70
.8	78	33.5		111.5	69
1.2	79	27.5		106.5	69
1.6	67	28		95	69
2.4	96	23.6		119.6	68
3.2	75	22.4		97.4	68
4.8	83	23.5		106.5	68
6.4	83	19.6		102.6	68
10	84	18.4		102.4	67
12	94	19.6		113.6	67
20	92	14		106	66
25	95	14.8		109.8	66
35	81	8		89	50
50	97		<1.0	105	51
70	92		1.0	101	52
100	77		1.3	86.3	53
150	67		1.6	76.6	54
200	64		1.9	73.9	55
250	69		2.2	79.2	56
300	55		2.4	65.4	56
350	62		2.6	72.6	57
400	50		2.8	60.8	57
500	42		3.1	53.1	58
600	39		3.4	50.4	58
700	31		3.7	42.7	59
800	33		4.0	45	59
900	24		4.4	36.4	60
1000	30	8	4.8	42.8	60

NF-105, SN 1894

RECORDER B. GLASS	TITLE FIG "A" BGS 5A, 1284 SET #1, 25-22552-28		MOD. WS-133N
OBSERVER E. CARYL	STATION 16-201	TEST NO. 2	SER. NO. 0002
DATA UNITS DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE		T2-2786
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 4

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBMC	ANT. FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMC	DBMC
15	* 97	0	<1.0	97	97
20	* 86			86	96
30	* 81			81	91
40	77			77	88
60	* 63			63	84
80	* 74			74	82
120	* 64			64	78
150	* 71	0	<1.0	71	77

* STEADY STATE OBSCURES TRANSIENT

NM-10A, SN 169-26
IMPULSE GENERATOR, SN 447

RECORDER	B. GLASS	TITLE FIG "A" BGS 5A, 1284 SET #1, 25-22552-2B	MOD. WS-133A
OBSERVER	E. CARYL	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 4

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBMC	ANT. FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMC	DBMC
.15	50	37	<1.0	87	77
.2	45	36.4		81.4	75
.3	50	36.4		86.4	73
.4	64	30.5		94.5	71
.6	72	32.5		104.5	70
.8	75	33.5		108.5	69
1.2	76	27.5		103.5	69
1.6	68	28		96	69
2.4	86	23.6		109.6	68
3.2	62	22.4		84.4	68
4.8	74	23.5		97.5	68
6.4	70	19.6		89.6	63
10	60	18.4		78.4	67
12	76	19.6		95.6	67
20	89	14		103	66
25	84	14.8		98.8	66
35	83	8		91	50
50	83		<1.0	91	51
70	82		1.0	91	52
100	78		1.3	87.3	53
150	55		1.6	64.6	54
200	54		1.9	63.9	55
250	63		2.2	73.2	56
300	38		2.4	48.4	56
350	37		2.6	47.6	57
400	38		2.8	48.8	57
500	27		3.1	38.1	58
600	23		3.4	34.4	58
700	21		3.7	32.7	59
800	23		4.0	35	59
900	* <11		4.4	<23.4	60
1000	* <12.5	8	4.8	<25.3	60

* RECEIVER NOISE LEVEL

NF-105, S/N 1894

RECORDER H.	WATSON	TITLE FIG "A" DGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER L.	DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☐ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 5

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBMC	ANT. FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMC	DBMC
15	100	0	<1.0	100	97
20	*86			86	96
30	*81			81	91
40	*74			74	88
60	59			59	84
80	*74			74	82
120	*64			64	78
150	*71	0	<1.0	71	77

* STEADY STATE LEVELS OBSCURES TRANSIENT LEVELS.

NM-10A, SN 169-26
IMPULSE GENERATOR, SN 447

RECORDER H.	WATSON	TITLE FIG "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER L.	DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-27B6
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 5

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBMC	ANT. FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMC	DBMC
.15	*54	37	<1.0	91	77
.2	*52	36.4	↑	88.4	75
.3	*50	36.4	↑	86.4	73
.4	56	30.5	↑	86.5	71
.6	63	32.5	↑	95.5	70
.8	56	33.5	↑	89.5	69
1.2	57	27.5	↑	84.5	69
1.6	46	28	↑	74	69
2.4	58	23.6	↑	81.6	68
3.2	33	22.4	↑	55.4	68
4.8	35	23.5	↑	58.5	68
6.4	36	19.6	↑	55.6	68
10	50	18.4	↑	68.4	67
12	67	19.6	↑	86.6	67
20	68	14	↑	82	66
25	74	14.8	↑	88.8	66
35	75	8	↓	83	50
50	76	↑	<1.0	84	51
70	73	↑	1.0	82	52
100	72	↑	1.3	81.3	53
150	45	↑	1.6	54.6	54
200	58	↑	1.9	67.9	55
250	57	↑	2.2	67.2	56
300	46	↑	2.4	56.4	56
350	42	↑	2.6	52.6	57
400	48	↑	2.8	58.8	57
500	29	↑	3.1	40.1	58
600	30	↑	3.4	41.4	58
700	29	↑	3.7	40.7	59
800	25	↑	4.0	37	59
900	32	↓	4.4	44.4	60
1000	22	8	4.8	34.8	60

*STEADY STATE LEVELS OBSCURES TRANSIENT LEVELS.

NF-105, S/N 1894

RECORDER B. GLASS	TITLE FIG "A" BGS 5A, 12 84 SET #1, 25-22552-28		MOD. WS-133A
OBSERVER E. CARYL	STATION 16-201	TEST NO. 2	SER. NO. 0002
DATA UNITS DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		I2-2786
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODE 7

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBMC	CABLE LOSS +DB	ANT FACTOR +DB	CORRECTED LEVEL DBMC	DBMC
15	98	<1.0	0	98	97
20	86			86	96
30	85			85	91
40	82			82	88
60	66			66	84
80	75			75	82
120	69			69	73
150	71	<1.0	0	71	71

NM-10A, SN 169-26
IMPULSE GENERATOR SN 447

RECORDER B. GLASS	TITLE FIG'A' BGS 5A,1284 SET #1, 25-22552-2B		MOD. WS-133B
OBSERVER E. CARVL	STATION 16 - 201	TEST NO. 2	SER. NO. 0002
DATA UNITS DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2786
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODE 7

FREQUENCY		INTERFERENCE LEVEL								SPEC LIMITS
MC		METER READING DBMC		ANT. FACTOR +DB		CABLE LOSS +DB		CORRECTED LEVEL DBMC		DBMC
.15		54		37		<1.0		91		77
.2		54		36.4				90.4		75
.3		50		36.4				86.4		73
.4		56		30.5				86.5		71
.6		60		32.5				92.5		70
.8		51		33.5				84.5		69
1.2		49		27.5				76.5		69
1.6	*	<29		28				<57		69
2.4		34		23.6				57.6		68
3.2	*	<27		22.4				<49.4		68
4.8	*	<23		23.5				<46.5		68
6.4	*	<24		19.6				<43.6		68
10	*	<22		18.4				<40.4		67
12	*	<22		19.6				<41.6		67
20	*	<24		14				<38		66
25	*	<24		14.8				<38.8		66
35	*	<21		8				<29		50
50	*	<21				<1.0		<29		51
70	*	<23				1.0		<32		52
100	*	<25				1.3		<34.3		53
150	*	<25				1.6		<34.6		54
200	*	<25				1.9		<34.9		55
250	*	<20				2.2		<30.2		56
300	*	<19				2.4		<29.4		56
350	*	<18				2.6		<28.6		57
400	*	<21				2.8		<31.8		57
500	*	<10				3.1		<21.1		58
600	*	<9				3.4		<20.4		58
700	*	<8				3.7		<19.7		59
800	*	<11				4.0		<23		59
900	*	<11				4.4		<23.4		60
1000	*	<12.5		8		4.8		<25.3		60

* RECEIVER NOISE LEVEL.

NF-105, S/N 1894

RECORDER B. GLASS	TITLE FIG "A" BGS SA, 1284 SET #1, 25-22552-28		MOD. WS-133A	
OBSERVER E. CARYL	STATION 16-201	TEST NO. 2	SER. NO. 0002	
DATA UNITS DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		D2-2786	
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BEFORE SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

AMBIENT

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
	JACK	PIN		METER READING DB	CORR FACTOR DB	CORRECTED LEVEL DBMA/20KC			DBMA/20KC
.03-15KC	09	1		20	-20	0			100
↕	09	2		37.5	↕	17.5			↕
↕	09	3		35	↕	15			↕
.03-15KC	09	4		32.5	-20	12.5			100

AMBIENT JACK 09 PINS 1, 2, 3 & 4

MC		METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
.015	*	< 67	15	< 1.0	< 82	157
.02	*	< 70	12	↓	< 82	150
.025	*	< 69	10		< 79	145
.03	*	< 60	8.5		< 68.5	141
.04	*	< 65	6		< 71	135
.05	*	< 64	4		< 68	130
.06	*	< 66	2.6		< 68.6	125
.08	*	< 64	0.2		< 64.2	118
.09	*	< 63	-0.7		< 62.3	115
.12	*	< 64	-2.8		< 61.2	109
.15	*	< 60	-4.3		< 55.7	104
.15	*	< 28	-4.3		< 23.7	104
.2	*	< 33	-6.2		< 26.8	97
.3	*	< 28	-8.5		< 19.5	87
.4	*	< 24	-10		< 14	80
.6	*	< 22	-11.5		< 10.5	71
.8	*	< 23	-12.3		< 10.7	65
1.2	*	< 27	-13		< 14	55
1.6	*	< 29	-13.5		< 15.5	50
2.4	*	< 25	-13.8		< 11.2	50
3.2	*	< 27	-14		< 13	50
4.8	*	< 23	-14		< 9	49
6.4	*	< 24	-14		< 10	48
10	*	< 22	-14		< 8	48
12	*	< 22	-14		< 8	48
20	*	< 24	-13.6		< 10.4	47
25	*	< 24	-13.2	< 1.0	< 10.8	47

MM-40A S/N 310-4 ; NM-10A S/N 239-30 ; NF-105 S/N 1894

RECORDER B	GLASS	TITLE FIG. A B&S 5A, 1284 SET #1, 25-2255-28	MOD. NS-133A
OBSERVER L	HUGHES	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

FREQUENCY	INTERFERENCE LEVEL									SPEC LIMITS
	MODE	JACK	PIN		METER READING DB	CORR. FACTOR DB	CORRECTED LEVEL DBMA /20KC			DBMA /20KC
.030-15KC	1	09	1		113	-20	93			100
	2	09	1		129.7		109.7			
	3	09	1		129.7		109.7			
	4	09	1		129.7		109.7			
	8	09	1		129.7		109.7			
	1	09	2		113.		93.			
	2	09	2		128.7		108.7			
	3	09	2		128.		108.			
	4	09	2		128.		108.			
	8	09	2		128.		108.			
	1	09	3		114.		94.			
	2	09	3		127.7		107.7			
	3	09	3		127.7		107.7			
	4	09	3		127.7		107.7			
	8	09	3		128.7		108.7			
	1	09	4		114.		94.			
	2	09	4		128.7		108.7			
	2	08	5		63.		43.			
	5	08	5		64.		44.			
	2	01	20		49.		29			
	2	01	19		40.		20.			
	2	03	3		65		45			
	6	01	5		44		24			
.030-15KC	7	05	4		60	-20	40			100

NM-40A, SN 310-4 CURRENT PROBE 277-66

RECORDER	L. HUGHES	TITLE FIG. "A" BGS 5A, 1284 SET #1, 25-22552-28		MOD. WS-131A
OBSERVER	B. GLASS	STATION 16-201	TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA/20KC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2786
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 09 PIN 1 MODE 1

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
.15	135	+15.	<1.0	150	157
.20	142	+12.		154	150
.25	149	+10.		159	145
.30	149	+ 8.5		157.5	141
.40	136	+ 6.		142.	135
.50	146	+ 4.		150.	130
.60	140	+ 2.6		142.6	125
.80	135	+ 0.2		135.2	118
.90	134	- 0.7		133.3	115
1.00	132	- 2.8		129.2	109
1.50	134	- 4.3	<1.0	129.7	104
MC					
.15	131	- 4.3	<1.0	126.7	104
.2	125	- 6.2		118.8	97
.3	125	- 8.5		116.5	87
.4	127	-10.		117.	80
.5	121	-11.5		109.5	71
.8	112	-12.3		99.7	65
1.2	100	-13.		87.	55
1.6	80	-13.5		66.5	50
2.4	68	-13.8		54.2	50
3.2	63	-14.		49.	50
4.8	33	-14.		19.	49
6.4	<24*	-14.		<10.	48
10.	30	-14.		16.	48
12.	<22*	-14.		< 8.	48
20.	<24*	-13.6		<10.4	47
25.	<24*	-13.2	<1.0	<10.8	47

* RECEIVER NOISE

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	H. WATSON	TITLE FIGURE "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. NS-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 09 PIN 1 MODE 2

FREQUENCY MC	INTERFERENCE LEVEL METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	SPEC LIMITS DBMA
.15	145	+15.	<1.0	160.	157
.20	149	+12.		161.	150
.25	141	+10.		151.	145
.30	145	+ 8.5		153.5	141
.40	128	+ 6.		134.	135
.50	141	+ 4.		145.	130
.60	142	+ 2.6		144.6	125
.80	142	+ 0.2		142.2	118
.90	136	- 0.7		135.3	115
1.00	141	- 2.8		138.2	109
1.50	139	- 4.3	<1.0	134.7	104
MC					
.15	133	- 4.3	<1.0	128.7	104
.2	127	- 6.2		120.8	97
.3	128	- 8.5		119.5	87
.4	125	-10.		115.	80
.5	123	-11.5		111.5	71
.8	114	-12.3		101.7	65
1.2	99	-13.		86.	55
1.6	80	-13.5		66.5	50
2.4	75	-13.8		61.2	50
3.2	63	-14.		49.	50
4.3	33	-14.		19.	49
6.4	<24*	-14.		<10.	48
10.	<22*	-14.		< 8.	48
12.	<22*	-14		< 8	48
20.	<24*	-13.6		<10.4	47
25.	<24*	-13.2	<1.0	<10.8	47

* RECEIVER NOISE

NM-10A, SN 230-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	H. WATSON	TITLE FIGURE "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 1 MODE 3

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	150	+15.	<1.0	165.	157
20	147	+12.		159.	150
25	142	+10.		152.	145
30	146	+ 8.5		154.5	141
40	133	+ 6.		139.	135
50	142	+ 4.		146.	130
60	139	+ 2.6		141.6	125
80	142	+ 0.2		142.2	118
90	140	- 0.7		139.3	115
120	140	- 2.8		137.2	109
150	139	- 4.3	<1.0	134.7	104
MC					
.15	130	- 4.3	<1.0	125.7	104
.2	131	- 6.2		124.8	97
.3	129	- 8.5		120.5	87
.4	127	-10.		117.	80
.6	131	-11.5		119.5	71
.8	145	-12.3		132.7	65
1.2	147	-13.		134.	55
1.6	143	-13.5		129.5	50
2.4	155	-13.8		141.2	50
3.2	145	-14.		131.	50
4.8	129	-14.		115.	49
6.4	121	-14.		107.	48
10.	119	-14.		105.	48
12.	118	-14		104.	48
20.	113	-13.6		99.4	47
25.	120	-13.2	<1.0	106.8	47

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	H. WATSON	TITLE FIGURE "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WR-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 1 MODE 4

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	147*	+15.	<1.0	162	157
20	146*	+12.	1	158	150
25	142*	+10.		152	145
30	146*	+ 8.5		154.5	141
40	130*	+ 6.		136.	135
50	140*	+ 4.		144.	130
60	135*	+ 2.6		137.6	125
80	136*	+ 0.2		136.2	118
90	137*	- 0.7		136.3	115
120	139*	- 2.8		136.2	109
150	137*	- 4.3	<1.0	132.7	104
MC					
.15	125	- 4.3	<1.0	120.7	104
.2	132	- 6.2	1	125.8	97
.3	130	- 8.5		121.5	87
.4	130	-10.		120.	80
.6	128	-11.5		116.5	71
.8	130	-12.3		117.7	65
1.2	134	-13.		121.	55
1.6	138	-13.5		124.5	50
2.4	139	-13.8		125.2	50
3.2	132	-14.		118.	50
4.3	114	-14.		100.	49
6.4	109	-14.		95.	48
10.	101	-14.		87.	48
12.	97	-14		83.	48
20.	100	-13.6		86.4	47
25.	102	-13.2	<1.0	88.8	47

* STEADY STATE OBSURES TRANSIENT

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN

RECORDER	E. CARYL	TITLE FIGURE "A" PGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 1 MODE 8

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	141*	+15.	<1.0	156.	157
20	143	+12.		155.	150
25	147*	+10.		157.	145
30	150	+ 8.5		158.5	141
40	131	+ 6.		137.	135
50	135	+ 4.		139.	130
60	140*	+ 2.6		142.6	125
80	140	+ 0.2		140.2	118
90	138	- 0.7		137.3	115
120	141*	- 2.8		138.2	109
150	136*	- 4.3	<1.0	131.7	104
MC					
.15	135	- 4.3	<1.0	130.7	104
.2	134	- 6.2		127.8	97
.3	132	- 8.5		123.5	87
.4	129	-10.		119.	80
.6	123	-11.5		111.5	71
.8	123	-12.3		110.7	65
1.2	125	-13.		112.	55
1.6	123	-13.5		109.5	50
2.4	130	-13.8		116.2	50
3.2	117	-14.		103.	50
4.8	116	-14.		102.	49
6.4	108	-14.		94.	48
10.	98	-14.		84.	48
12.	100	-14.		86.	48
20.	91	-13.6		77.4	47
25.	96	-13.2	<1.0	82.8	47

* STEADY STATE OBSCURES TRANSIENT

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	E. CARYL	TITLE FIGURE "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 09 PIN 2 MODE 1

FREQUENCY KC	INTERFERENCE LEVEL: METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	SPEC LIMITS DBMA
.15	138	+15.	<1.0	153.	157
.20	146	+12.		158.	150
.25	152	+10.		162.	145
.30	150	+ 8.5		158.5	141
.40	143	+ 6.		149.	135
.50	144	+ 4.		148.	130
.60	140	+ 2.6		142.6	125
.80	133	+ 0.2		133.2	118
.90	133	- 0.7		132.3	115
1.0	132	- 2.8		129.2	109
1.50	130	- 4.3	<1.0	125.7	104
.15	128	- 4.3	<1.0	123.7	104
.2	126	- 6.2		119.8	97
.3	127	- 8.5		118.5	87
.4	124	-10.		114.	80
.6	118	-11.5		106.5	71
.8	110	-12.3		97.7	65
1.2	104	-13.		91.	55
1.6	79	-13.5		65.5	50
2.4	53	-13.8		39.2	50
3.2	48	-14.		34.	50
4.8	<23*	-14.		<9.	49
6.4	<24*	-14.		<10.	48
10.	<22*	-14.		<8	48
12.	<22*	-14.		<8.	48
20.	<24*	-13.6		<10.4	47
25.	<24*	-13.2	<1.0	<10.8	47

* RECEIVER NOISE

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	D. LINDBERG	TITLE FIGURE "A" BQS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 09 PIN 2 MODE 2

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	136	+15.	< 1.0	151.	157
20	140	+12.		152.	150
25	137	+10.		147.	145
30	142	+ 8.5		150.5	141
40	129	+ 6.		135.	135
50	143	+ 4.		147.	130
60	134	+ 2.6		136.6	125
80	130	+ 0.2		130.2	118
90	129	- 0.7		128.3	115
120	138	- 2.8		135.2	109
150	126	- 4.3	< 1.0	121.7	104
MC					
.15	127	- 4.3	< 1.0	122.7	104
.2	132	- 6.2		125.8	97
.3	129	- 8.5		120.5	87
.4	127	-10.		117.	80
.5	119	-11.5		107.5	71
.8	116	-12.3		103.7	65
1.2	99	-13.		86.	55
1.6	78	-13.5		64.5	50
2.4	74	-13.8		60.2	50
3.2	49	-14.		35.	50
4.8	43	-14.		29.	49
6.4	42	-14.		28.	48
10.	29	-14.		15.	48
12.	< 22 *	-14		< 8.	48
20.	< 24 *	-13.6		< 10.4	47
25.	< 24 *	-13.2	< 1.0	< 10.8	47

* RECEIVER NOISE

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	K. LINDBERG	TITLE FIGURE "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BEFORE SUPPRESSION

BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 2 MODE 3

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	144	+15.	<1.0	159	157
20	143	+12.		155	150
25	140	+10.		150	145
30	146	+ 8.5		154.5	141
40	135	+ 6.		141.	135
50	144	+ 4.		148	130
60	137	+ 2.6		139.6	125
80	136	+ 0.2		136.2	118
90	132	- 0.7		131.3	115
120	139	- 2.8		136.2	109
150	136	- 4.3	<1.0	131.7	104
MC					
.15	125	- 4.3	<1.0	120.7	104
.2	124	- 6.2		117.8	97
.3	123	- 8.5		114.5	87
.4	125	-10.		115.	80
.6	132	-11.5		120.5	71
.8	154	-12.3		141.7	65
1.2	142	-13.		129.	55
1.6	137	-13.5		123.5	50
2.4	123	-13.8		109.2	50
3.2	105	-14.		91.	50
4.3	123	-14.		109.	49
6.4	124	-14.		110.	48
10.	113	-14.		99.	48
12.	118	-14		104.	48
20.	114	-13.6		100.4	47
25.	112	-13.2	<1.0	98.8	47

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	K. LINDBERG	TITLE FIGURE "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 2 MODE 4

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	142 *	+15.	< 1.0	157.	157
20	142 *	+12.		154.	150
25	136 *	+10.		146.	145
30	146 *	+ 8.5		154.5	141
40	129	+ 6.		135.	135
50	145 *	+ 4.		149.	130
60	134 *	+ 2.6		136.6	125
70	127	+ 0.2		127.2	118
90	132	- 0.7		131.3	115
120	137	- 2.8		134.2	109
150	131	- 4.3	< 1.0	126.7	104
MC					
.15	128 *	- 4.3	< 1.0	123.7	104
.2	124 *	- 6.2		117.8	97
.3	123 *	- 8.5		114.5	87
.4	121	-10.		111.	80
.5	122	-11.5		110.5	71
.8	132	-12.3		119.7	65
1.2	127	-13.		114.	55
1.6	112	-13.5		98.5	50
2.4	103	-13.8		89.2	50
3.2	103	-14.		89.	50
4.8	104	-14.		90.	49
6.4	99	-14.		85.	48
10.	100	-14.		86.	48
12.	93	-14		79.	48
20.	87	-13.6		73.4	47
25.	91	-13.2	< 1.0	77.8	47

* STEADY STATE OBSCURES TRANSIENT

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	H. WATSON	TITLE FIGURE "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 2 MODE 8

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBUA	DBUA
15	141*	+15.	<1.0	156.	157
20	147*	+12.	〃	159.	150
25	145*	+10.	〃	155.	145
30	147	+ 8.5	〃	155.5	141
40	132	+ 6.	〃	138.	135
50	130	+ 4.	〃	134.	130
60	135	+ 2.6	〃	137.6	125
80	135	+ 0.2	〃	135.2	118
90	134	- 0.7	〃	133.3	115
120	134	- 2.8	〃	131.2	109
150	128*	- 4.3	<1.0	123.7	104
MC					
.15	125*	- 4.3	<1.0	120.7	104
.2	130*	- 6.2	〃	123.8	97
.3	127*	- 8.5	〃	118.5	87
.4	126*	-10.	〃	116.	80
.6	120*	-11.5	〃	108.5	71
.8	122	-12.3	〃	109.7	65
1.2	125	-13.	〃	112.	55
1.6	113	-13.5	〃	99.5	50
2.4	105	-13.8	〃	91.2	50
3.2	92	-14.	〃	78.	50
4.8	105	-14.	〃	91.	49
6.4	108	-14.	〃	94.	48
10.	90	-14.	〃	76.	48
12.	93	-14.	〃	79.	48
20.	84	-13.6	〃	70.4	47
25.	83	-13.2	<1.0	69.8	47

* STEADY STATE OBSCURED TRANSIENT

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	K. LINDBERG	TITLE FIGURE "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. NS-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBUA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 09 PIN 3 MODE 1

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBUA	DBUA
15	142	+15.	<1.0	157	157
20	153	+12.		165	150
25	153	+10.		163	145
30	145	+ 8.5		152.5	141
40	146	+ 6.		152	135
50	148	+ 4.		152	130
60	145	+ 2.6		147.6	125
80	142	+ 0.2		142.2	118
90	139	- 0.7		138.3	115
120	139	- 2.8		136.2	109
150	137	- 4.3	<1.0	132.7	104
MC					
.15	131	- 4.3	<1.0	126.7	104
.2	128	- 6.2		121.8	97
.3	127	- 8.5		118.5	87
.4	127	-10.		117.	80
.5	120	-11.5		108.5	71
.8	111	-12.3		98.7	65
1.2	100	-13.		87.	55
1.6	83	-13.5		69.5	50
2.4	78	-13.8		64.2	50
3.2	64	-14.		50.	50
4.3	33	-14.		19.	49
6.4	<24 *	-14.		<10.	48
10.	<22 *	-14.		< 8.	48
12.	<22 *	-14		< 8.	48
20.	<24 *	-13.6		<10.4	47
25.	<24 *	-13.2	<1.0	<10.8	47

* RECEIVER NOISE

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	B. GLASS	TITLE FIGURE "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	C. FINLEY	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBUA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2785
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 09 PIN 3 MODE 2

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	152	+15.	< 1.0	167.	157
20	156	+12.		168.	150
25	130	+10.		140.	145
30	142	+ 8.5		150.5	141
40	138	+ 6.		144.	135
50	143	+ 4.		147.	130
60	136	+ 2.6		138.6	125
80	144	+ 0.2		144.2	118
90	135	- 0.7		134.3	115
120	139	- 2.8		136.2	109
150	134	- 4.3	< 1.0	129.7	104
MC					
.15	127	- 4.3	< 1.0	122.7	104
.2	130	- 6.2		123.8	97
.3	126	- 8.5		117.5	87
.4	125	-10.		115.	80
.6	121	-11.5		109.5	71
.8	114	-12.3		101.7	65
1.2	98	-13.		85.	55
1.6	83	-13.5		69.5	50
2.4	75	-13.8		61.2	50
3.2	51	-14.		37.	50
4.8	24	-14.		10.	49
6.4	< 24 *	-14.		< 10.	48
10.	< 22 *	-14.		< 8.	48
12.	< 22 *	-14		< 8.	48
20.	< 24 *	-13.6		< 10.4	47
25.	< 24 *	-13.2	< 1.0	< 10.8	47

* RECEIVER NOISE

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	B. GLASS	TITLE FIGURE "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	C. FINLEY	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AEROSPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BEFORE SUPPRESSION

BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 3 MODE 3

FREQUENCY KC	INTERFERENCE LEVEL: METER READING DBYC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	SPEC LIMITS DBMA
15	152	+15.	< 1.0	167.	157
20	140	+12.	〃	152.	150
25	137	+10.	〃	147.	145
30	143	+ 8.5	〃	151.5	141
40	140	+ 6.	〃	146.	135
50	145	+ 4.	〃	149.	130
60	138	+ 2.6	〃	140.6	125
80	144	+ 0.2	〃	144.2	118
90	135	- 0.7	〃	134.3	115
120	140	- 2.8	〃	137.2	109
150	138	- 4.3	< 1.0	133.7	104
MC					
.35	131.7*	- 4.3	< 1.0	127.4	104
.2	133.*	- 6.2	〃	126.8	97
.3	132.	- 8.5	〃	123.5	87
.4	129.	-10.	〃	119.	80
.5	138.	-11.5	〃	126.5	71
.8	144.	-12.3	〃	131.7	65
1.2	152	-13.	〃	139.	55
1.6	142.	-13.5	〃	128.5	50
2.4	144.	-13.8	〃	130.2	50
3.2	143.2	-14.	〃	129.2	50
4.8	130.9	-14.	〃	116.9	49
6.4	121.7	-14.	〃	107.7	48
10.	122.7	-14.	〃	108.7	48
12.	123.7	-14	〃	109.7	48
20.	118.7	-13.6	〃	105.1	47
25.	116.7	-13.2	< 1.0	103.5	47

*STEADY STATE OBSCURES TRANSIENT

NM-10A, SN 239-30 CURRENT PROBE 277-66
NF-105, SN 1894 CURRENT PROBE 277-66
IMPULSE GENERATOR, SN 447

RECORDER	B. GLASS	TITLE FIGURE "A" EGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	L. HUGHES	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	BOEING AIRPLANE COMPANY AEROSPACE DIVISION SEATTLE 24, WASH.	T2-2786
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 3 MODE 4

FREQUENCY KC	INTERFERENCE LEVEL: METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBUA	SPEC LIMITS DBUA
15	152 *	+15.	< 1.0	167.	157
20	140	+12.		152.	150
25	130 *	+10.		140.	145
30	141 *	+ 8.5		149.5	141
40	135 *	+ 6.		141.	135
50	142 *	+ 4.		146.	130
60	133	+ 2.6		135.6	125
80	139	+ 0.2		139.2	118
90	132	- 0.7		131.3	115
120	140 *	- 2.8		137.2	109
150	134	- 4.3	< 1.0	129.7	104
MC					
.15	130 *	- 4.3	< 1.0	125.7	104
.2	134 *	- 6.2		127.8	97
.3	131.7 *	- 8.5		123.2	87
.4	128.7	-10.		118.7	80
.6	135.4	-11.5		123.9	71
.8	134.9	-12.3		122.6	65
1.2	133.9	-13.		120.9	55
1.6	134	-13.5		120.5	50
2.4	138.1	-13.8		124.3	50
3.2	128.2	-14.		114.2	50
4.8	122.7	-14.		108.7	49
6.4	114.9	-14.		100.9	48
10.	103.1	-14.		89.1	48
12.	102.7	-14		88.7	48
20.	95.7	-13.6		82.1	47
25.	105.7	-13.2	< 1.0	92.5	47

* STEADY STATE OBSCURES TRANSIENT

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	B. GLASS	TITLE FIGURE "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	C. FINLEY	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBUA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE, WASH.	T2-2786
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 09 PIN 3 MODE 8

FREQUENCY KC	METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBUA	SPEC LIMITS DBUA
15	145 *	+15.	< 1.0	160	157
20	137 *	+12.	〃	149	150
25	142 *	+10.	〃	152	145
30	146 *	+ 8.5	〃	154.5	141
40	131 *	+ 6.	〃	137.	135
50	138	+ 4.	〃	142.	130
60	136	+ 2.6	〃	138.6	125
80	133	+ 0.2	〃	133.2	118
90	139	- 0.7	〃	138.3	115
120	139	- 2.8	〃	136.2	109
150	133	- 4.3	< 1.0	128.7	104
.15	132 *	- 4.3	< 1.0	127.7	104
.2	127 *	- 6.2	〃	120.8	97
.3	129 *	- 8.5	〃	120.5	87
.4	125 *	-10.	〃	115.	80
.6	123	-11.5	〃	111.5	71
.8	124	-12.3	〃	111.7	65
1.2	122	-13.	〃	109.	55
1.6	126	-13.5	〃	112.5	50
2.4	135	-13.8	〃	121.2	50
3.2	131	-14.	〃	117.	50
4.8	116	-14.	〃	102.	49
6.4	111	-14.	〃	97.	48
10.	96	-14.	〃	82.	48
12.	105	-14	〃	91.	48
20.	95	-13.6	〃	81.4	47
25.	94	-13.2	< 1.0	80.8	47

* STEADY STATE OBSCURES TRANSIENT

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1694 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	H. WATSON	TITLE ENGINE "A" TOS 5A, 1684 SN 1-01, 25-22552-23	MOD. WG-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. CC02
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 09 PIN 4 MODE 1

FREQUENCY KC	INTERFERENCE LEVEL: METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBUA	SPEC LIMITS DBUA
15	124	+15.	< 1.0	139.	157
20	109	+12.		121.	150
25	130	+10.		140.	145
30	136	+ 8.5		144.5	141
40	132	+ 6.		138.	135
50	139	+ 4.		143.	130
60	120	+ 2.6		122.6	125
80	119	+ 0.2		119.2	118
90	124	- 0.7		123.3	115
120	122	- 2.8		119.2	109
150	118	- 4.3	< 1.0	113.7	104
.15	115	- 4.3	< 1.0	110.7	104
.2	114	- 6.2		107.8	97
.3	115	- 8.5		106.5	87
.4	113	-10.		103.	80
.6	110	-11.5		98.5	71
.8	103	-12.3		90.7	65
1.2	102	-13.		89.	55
1.6	83	-13.5		69.5	50
2.4	73	-13.8		59.2	50
3.2	47	-14.		33.	50
4.8	30	-14.		16.	49
6.4	30	-14.		16.	48
10.	30	-14.		16.	48
12.	30	-14.		16.	49
20.	30	-13.6	Y	16.4	47
25.	30	-13.2	< 1.0	16.8	47

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	B. GLASS	TITLE ENGINE "A" ICS 5A, 2894 SN 1, 25v22552-23	MOD. WG-1334
OBSERVER	L. HUGHES	STATION 16-201 TEST NO. 2	SER. NO. CC02
DATA UNITS	DBUA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 09 PIN 4 MODE 2

FREQUENCY KC	INTERFERENCE LEVEL: METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBUA	SPEC LIMITS DBUA
15	134	+15.	< 1.0	149.	157
20	106	+12.		118.	150
25	114	+10.		124.	145
30	131	+ 8.5		139.5	141
40	129	+ 6.		135.	135
50	138	+ 4.		142.	130
60	128	+ 2.6		130.6	125
80	120	+ 0.2		120.2	118
90	126	- 0.7		125.3	115
120	128	- 2.8		125.2	109
150	113	- 4.3	< 1.0	108.7	104
.15	113	- 4.3	< 1.0	108.7	104
.2	111	- 6.2		104.8	97
.3	110	- 8.5		101.5	87
.4	114	-10.		104.	80
.5	109	-11.5		97.5	71
.8	104	-12.3		91.7	65
1.2	101	-13.		88.	55
1.6	74	-13.5		60.5	50
2.4	67	-13.8		53.2	50
3.2	35	-14.		21.	50
4.8	< 23 *	-14.		< 9.	49
6.4	< 24 *	-14.		< 10.	48
10.	< 22 *	-14.		< 8.	48
12.	< 22 *	-14.		< 8.	48
20.	< 24 *	-13.6		< 10.4	47
25.	< 24 *	-13.2	< 1.0	< 10.8	47

* RECEIVER NOISE

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	E. CARYL	TITLE FIGURE "A" ICS 5A, 1884 ONLY, 25-22552-23	MOD. MG-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. CC02
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	82-2786
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BEFORE SUPPRESSION

BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 08 PIN 5 MODE 2

FREQUENCY KC	INTERFERENCE LEVEL: METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED INTERF. LEVEL DBUA	SPEC LIMITS DBUA
15	83	+15.	<1.0	98.	157
20	86	+12.		98.	150
25	86	+10.		96.	145
30	84	+ 8.5		92.5	141
40	80	+ 6.		86.	135
50	87	+ 4.		91.	130
60	84	+ 2.6		86.6	125
80	81	+ 0.2		81.2	118
90	75	- 0.7		74.3	115
120	79	- 2.8		76.2	109
150	79	- 4.3	<1.0	74.7	104
MC					
.25	72	- 4.3	<1.0	67.7	104
.2	70	- 6.2		63.8	97
.3	67	- 8.5		58.5	87
.4	69	-10.		59.	80
.6	71	-11.5		59.5	71
.8	75	-12.3		62.7	65
1.2	72	-13.		59.	55
1.6	56	-13.5		42.5	50
2.4	41	-13.8		27.2	50
3.2	39	-14.		25.	50
4.8	<23 *	-14.		< 9.	49
6.4	<24 *	-14.		<10.	48
10.	<22 *	-14.		< 8.	48
12.	<22 *	-14.		< 8.	48
20.	<24 *	-13.6		<10.4	47
25.	<24 *	-13.2	<1.0	<10.8	47

*RECEIVER NOISE

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	B. GLASS	TITLE FIGURE "A" ICS 5A, [illegible] 25-22552-23	MOD. VC-132A
OBSERVER	C. FINLEY	STATION 16-201 TEST NO. 2	SER. NO. CC02
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2736
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BEFORE SUPPRESSION

BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☐

JACK 08 PIN 5 MODE 5

FREQUENCY	INTERFERENCE LEVEL								SPEC LIMITS
MC	METER READING DBUC		PROBE FACTOR +DB		CABLE LOSS +DB		CORRECTED LEVEL DBMA		DBMA
15	95		+15.		< 1.0		110.		157
20	95		+12.				107.		150
25	100		+10.				110.		145
30	98		+ 8.5				106.5		141
40	101		+ 6.				107.		135
50	100		+ 4.				104.		130
60	104		+ 2.6				106.6		125
80	99		+ 0.2				99.2		118
90	103		- 0.7				102.3		115
120	104		- 2.8				101.2		109
150	106		- 4.3		< 1.0		101.7		104
KC									
.15	103		- 4.3		< 1.0		98.7		104
.2	100		- 6.2				93.8		97
.3	107		- 8.5				98.5		87
.4	100		-10.				90.		80
.6	103		-11.5				91.5		71
.8	97		-12.3				84.7		65
1.2	101		-13.				88.		55
1.6	103		-13.5				89.5		50
2.4	95		-13.8				81.2		50
3.2	94		-14.				80.		50
4.8	90		-14.				76.		49
6.4	90		-14.				76.		48
10.	96		-14.				82.		48
12.	96		-14				82.		48
20.	80		-13.6				66.4		47
25.	83		-13.2		< 1.0		69.8		47

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	K. LINDBERG	TITLE FIGURE "A" BGS 5A, 1284 SET #1, 25-22552-23	MOD. MG-132A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. C002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	D2-2786
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 01 PIN 20 MODE 2

FREQUENCY KC	INTERFERENCE LEVEL: METER READING DB uC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED INTERF. DBuA	SPEC LIMITS DBuA
15	75	+15.	< 1.0	90.	157
20	72	+12.		84.	150
25	72	+10.		82.	145
30	66	+ 8.5		74.5	141
40	67	+ 6.		73.	135
50	68	+ 4.		72.	130
60	63	+ 2.6		65.6	125
69	73	+ 0.2		73.2	118
90	67	- 0.7		66.3	115
120	72	- 2.8		69.2	109
150	71	- 4.3	< 1.0	66.7	104
MC					
.35	64	- 4.3	< 1.0	59.7	104
.9	69	- 6.2		62.8	97
.3	71	- 8.5		62.5	87
.4	74	-10.		64.	80
.6	76	-11.5		64.5	71
.8	74	-12.3		61.7	65
1.2	63	-13.		50.	55
1.6	55	-13.5		41.5	50
2.4	53	-13.8		39.2	50
3.2	39	-14.		25.	50
4.8	30	-14.		16.	49
6.4	30	-14.		16.	48
10.	27	-14.		13.	46
12.	< 21 *	-14		7.	48
20.	< 24 *	-13.6		10.4	47
25.	27	-13.2	< 1.0	13.8	47

* RECEIVER NOISE

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	K. LINDBERG	TITLE [illegible]	MOD. MC-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBuA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	D2-2786
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 01 PIN 19 MODE 2

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBUC	FROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBUA	DBUA
15	80	+15.	<1.0	95.	157
20	72	+12.	〃	84.	150
25	70	+10.	〃	80.	145
30	69	+ 8.5	〃	77.5	141
40	70	+ 6.	〃	76.	135
50	71	+ 4.	〃	75.	130
60	70	+ 2.6	〃	72.6	125
80	74	+ 0.2	〃	74.2	118
90	72	- 0.7	〃	71.3	115
120	80	- 2.8	〃	77.2	109
150	72	- 4.3	<1.0	67.7	104
MC					
.15	71	- 4.3	<1.0	66.7	104
.2	75	- 6.2	〃	68.8	97
.3	80	- 8.5	〃	71.5	87
.4	85	-10.	〃	75.	80
.6	84	-11.5	〃	72.5	71
.8	81	-12.3	〃	68.7	65
1.2	73	-13.	〃	60.	55
1.6	72	-13.5	〃	58.5	50
2.4	74	-13.8	〃	60.2	50
3.2	83	-14.	〃	69.	50
4.8	47	-14.	〃	33.	49
6.4	57	-14.	〃	43.	48
10.	81	-14.	〃	67.	48
12.	62	-14	〃	48.	48
20.	70	-13.6	〃	56.4	47
25.	65	-13.2	<1.0	51.8	47

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	H. WATSON	TITLE NUMBER "A" IC3 5A, 1894 SN 1 CL, 25+22552-03	MOD. WC-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. CC02
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	82-2736
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 03 PIN 3 MODE 2

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	75	+15.	< 1.0	90.	157
20	70	+12.		82.	150
25	70	+10.		80.	145
30	65	+ 8.5		73.5	141
40	68	+ 6.		74.	135
50	66	+ 4.		70.	130
60	70	+ 2.6		72.6	125
80	75	+ 0.2		75.2	118
90	72	- 0.7		71.3	115
120	78	- 2.8		75.2	109
150	74	- 4.3	< 1.0	69.7	104
MC					
.75	63	- 4.3	< 1.0	58.7	104
.2	66	- 6.2		59.8	97
.3	70	- 8.5		61.5	87
.4	73	-10.		63.	80
.6	76	-11.5		64.5	71
.8	73	-12.3		60.7	65
1.2	66	-13.		53.	55
1.6	53	-13.5		39.5	50
2.4	54	-13.8		40.2	50
3.2	40	-14.		26.	50
4.8	44	-14.		30.	49
6.4	30	-14.		16.	48
10.	< 22 *	-14.		< 8.	48
12.	< 22 *	-14		< 8.	48
20.	< 24 *	-13.6		< 10.4	47
25.	< 24 *	-13.2	< 1.0	< 10.8	47

* RECEIVER NOISE

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	B. GLASS	TITLE: FIGURE "A" FIG 5A, 1284 S/N 1, 25-22552-83	MOD. WG-1334
OBSERVER	E. CARYL	STATION 16-201 TEST NO. 2	SER. NO. CC02
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2785
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 01 PIN 5 MODE 6

FREQUENCY MC	INTERFERENCE LEVEL: METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBUA	SPEC LIMITS DBUA
15	82	+15.	< 1.0	97.	157
20	72	+12.		84.	150
25	70	+10.		80.	145
30	67	+ 8.5		75.5	141
40	65	+ 6.		71.	135
50	65	+ 4.		69.	130
60	63	+ 2.6		65.6	125
80	68	+ 0.2		68.2	118
90	63	- 0.7		62.3	115
120	65	- 2.8		62.2	109
150	67	- 4.3	< 1.0	62.7	104
MC					
.15	59	- 4.3	< 1.0	54.7	104
.2	59	- 6.2		52.8	97
.3	66	- 8.5		57.5	87
.4	62	-10.		52.	80
.6	66	-11.5		54.5	71
.8	69	-12.3		56.7	65
1.2	70	-13.		57.	55
1.6	43	-13.5		29.5	50
2.4	30	-13.8		16.2	50
3.2	< 27 *	-14.		< 13.	50
4.8	< 23 *	-14.		< 9.	49
6.4	< 24 *	-14.		< 10.	48
10.	< 22 *	-14.		< 8.	48
12.	< 22 *	-14.		< 8.	48
20.	< 24 *	-13.6		< 10.4	47
25.	< 24 *	-13.2	< 1.0	< 10.8	47

* RECEIVER NOISE

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	B. GLASS	TITLE "A" JOB 5A, 1284 CVA #1, 25-22552-03	MOD. WC-132A
OBSERVER	E. CARYL	STATION 16-201 TEST NO. 2	SER. NO. CC02
DATA UNITS	DBUA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	82-2786
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BEFORE SUPPRESSION

BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 05 PIN 4 MODE 7

FREQUENCY KC	INTERFERENCE LEVEL: METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED INTFL DBUA	SPEC LIMITS DBUA
15	80	+15.	<1.0	95.	157
20	71	+12.		83.	150
25	73	+10.		83.	145
30	69	+ 8.5		77.5	141
40	70	+ 6.		76.	135
50	66	+ 4.		70.	130
60	61	+ 2.6		63.6	125
80	74	+ 0.2		74.2	118
90	68	- 0.7		67.3	115
120	63	- 2.8		60.2	109
150	67	- 4.3	<1.0	62.7	104
MC					
.15	57	- 4.3	<1.0	52.7	104
.2	55	- 6.2		48.2	97
.3	66	- 8.5		57.5	87
.4	64	-10.		54.	80
.6	67	-11.5		55.5	71
.8	69	-12.3		56.7	65
1.2	67	-13.		54.	55
1.6	42	-13.5		28.5	50
2.4	35	-13.8		21.2	50
3.2	<27 *	-14.		<13.	50
4.8	30	-14.		16.	49
6.4	<24 *	-14.		<10.	48
10.	30	-14.		16.	48
12.	<22 *	-14.		< 8.	48
20.	<24 *	-13.6		<10.4	47
25.	<24 *	-13.2	<1.0	<10.8	47

* RECEIVER NOISE

NM-10A, SN 239-30 CURRENT PROBE 277-66

NF-105, SN 189 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	B. GLASS	TITLE [illegible]	MOD. WC-133A
OBSERVER	E. CARYL	STATION 16-201 TEST NO. 8	SER. NO. CC02
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	D2-2786
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AFTER SUPPRESSION

BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODE 1

FREQUENCY KC		INTERFERENCE LEVEL METER READING DBMC	CABLE LOSS +DB	ANT. FACTOR +DB	COR-RECTED LEVEL DBMC	SPEC LIMIT DBMC
15		70	1.0	0	70	97
20		84	↓	↓	84	96
30		91	↓	↓	91	91
40		92	↓	↓	92	88
60		67	↓	↓	67	84
80	RN	<62	↓	↓	<62	82
120	RN	<63	↓	↓	<63	78
150	RN	<63	1.0	0	<63	77

RN - RECEIVER NOISE

NM-10A S/N 169-26

IMPULSE GENERATOR S/N 446

RECORDER	B. GLASS	TITLE FIG. "A" DCG 5A, 1284 SET #1, 25-22552-28	MOD WG-133A
OBSERVER	K. LINDBERG	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODE 1

FREQUENCY MC		METER READING DBMC	ANT. FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMC	SPEC LIMIT DBMC
0.15	*	< 28	37.	<1.0	< 65	77
0.2	*	< 33	36.4		< 69.4	75
0.3	*	< 28	36.4		< 64.4	73
0.4	*	< 24	30.5		< 54.5	71
0.6	*	< 22	32.5		< 54.5	70
0.8	*	< 23	33.5		< 56.5	69
1.2	*	< 27	27.5		< 54.5	69
1.6	*	< 29	28.		< 57	69
2.4	*	< 25	23.6		< 48.6	68
3.2	*	< 27	22.4		< 49.4	68
4.8	*	< 23	23.5		< 46.5	68
6.4	*	< 24	19.6		< 43.6	68
10.	*	< 22	18.4		< 40.4	[illegible]
12.	*	< 22	19.6		< 41.6	[illegible]
20.	*	< 24	14.		< 38	[illegible]
25.	*	< 24	14.8		< 38.8	[illegible]
35.	*	< 21	8.		< 29	50
50.	*	< 21		<1.0	< 29	51
70.	*	< 23		1.0	< 32	[illegible]
100.	*	< 25		1.3	< 34.3	[illegible]
150.	*	< 25		1.6	< 34.6	[illegible]
200.	*	< 25		1.9	< 34.9	[illegible]
250.	*	< 20		2.2	< 30.2	[illegible]
300.	*	< 19		2.4	< 29.4	[illegible]
350.	*	< 18		2.6	< 28.6	[illegible]
400.	*	< 21		2.8	< 31.8	[illegible]
500.	*	< 10		3.1	< 21.1	[illegible]
600.	*	< 9		3.4	< 20.4	[illegible]
700.	*	< 8		3.7	< 19.7	[illegible]
800.	*	< 11		4.0	< 23	[illegible]
900.	*	< 11		4.4	< 23.4	[illegible]
1000.	*	< 12.5	8.	4.8	< 25.3	[illegible]

* RECEIVER NOISE

NF-105, S/N 1894

RECORDER B. GLASS
OBSERVER K. LINDBERG
DATA UNITS DBMC
DATE 11-17-61

TITLE FIG. "A" BGS 5A, 1284 SET #1, 25-22552-28
STATION 16 - 201 TEST NO. 2
AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.

MOD. [illegible]
SCP [illegible]
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BROADBAND ☒ RADIATED ☒ STABILIZATION NETWORK ☒B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☒

MODE 2 & 6

FREQUENCY KC		INTERFERENCE LEVEL METER READING DBMC		CABLE LOSS +DB		ANT. FACTOR +DB		COR-RECTED LEVEL DBMC		SPEC LIMITS DBMC
15		70		1.0		0		70		97
20		100		↑		↑		100		96
30		95		↑		↑		95		91
40		90		↑		↑		90		88
60		74		↑		↑		74		84
80		60		↑		↑		60		82
120	RN	<62		↑		↑		<62		78
150	RN	<62		1.0		0		<62		77

RN- RECEIVER NOISE

RM-10A S/N 169-26

IMPULSE GENERATOR S/N 446

RECORDER	B. GLASS	TITLE FIG. "A" BOB 5A, 1284 SET #1, 25-22552-28	MOD. [illegible]
OBSERVER	K. LINDBERG	STATION 16-201 TEST NO. 2	SER. NO. [illegible]
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2785
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AFTER SUPPRESSION

BROADBAND [4] RADIATED [4] STABILIZATION NETWORK [4B] TRANSIENT [ ]

NARROWBAND [ ] CONDUCTED [ ] CURRENT PROBE [ ] STEADY STATE [4]

MODE 2 & 6

FREQUENCY MC		INTERFERENCE LEVEL METER READING DBMC		ANT. FACTOR +DB		CABLE LOSS +DB		COR-RECTED LEVEL DBMC		LIMIT DBMC
0.15	*	<28		37.		<1.0		<65		77
0.2	*	<33		36.4				<69.4		75
0.3	*	<28		36.4				<64.4		73
0.4	*	<24		30.5				<54.5		71
0.6	*	<22		32.5				<54.5		70
0.8	*	<23		33.5				<56.5		69
1.2		42		27.5				69.5		69
1.6	*	<29		28.				<57		69
2.4		34		23.6				57.6		68
3.2	*	<27		22.4				<49.4		66
4.8	*	<23		23.5				<46.5		60
6.4	*	<24		19.6				<43.6		68
10.	*	<22		18.4				<40.4		67
12.	*	<22		19.6				<41.6		67
20.	*	<24		14.				<38		66
25.	*	<24		14.8				<38.8		66
35.	*	<21		8.				<29		50
50.	*	<21				<1.0		<29		51
70.	*	<23				1.0		<32		52
100.	*	<25				1.3		<34.3		53
150.	*	<25				1.6		<34.6		54
200.	*	<25				1.9		<34.9		55
250.		<20				2.2		<30.2		56
300.	*	<19				2.4		<29.4		57
350.	*	<18				2.6		<28.6		57
400.	*	<21				2.8		<31.8		58
500.	*	<10				3.1		<21.1		60
600.	*	<9				3.4		<20.4		61
700.	*	<8				3.7		<19.7		62
800.	*	<11				4.0		<23		63
900.	*	<11				4.4		<23.4		64
1000.	*	<12.5		8.		4.8		<25.3		65

* RECEIVER NOISE

NF-105, S/N 1894

RECORDER	B. GLASS	TITLE FIG. "A" DCS 5A, 1284 SET #1, 25-22552-28	MOD.
OBSERVER	K. LINDBERG	STATION 16-201 TEST NO. 2	SER. NO.
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	82-2
DATE	11-17-61	SECTION II	PAGE 60

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APPENDIX

AFTER SUPPRESSION

BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☐ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 3

FREQUENCY KC		INTERFERENCE LEVEL METER READING DBMC	CABLE LOSS +DB	ANT. FACTOR +DB	CORRECTED LEVEL DBMC	SPEC LIMIT DBMC
15		89	1.0	0	89	97
20	*	99			99	96
30		94			94	91
40		91			91	88
60		75			75	84
80		65			65	82
120	RN	<62			<62	78
150	RN	<62	1.0	0	<62	77

* STEADY STATE OBSCURES TRANSIENT

RN - RECEIVER NOISE

NM-10A S/N 169-26

IMPULSE GENERATOR S/N 446

RECORDER	B. GLASS	TITLE FIG. "A" DCD 5A, 1284 SET #1, 25-22552-28	MOD. NR-1336
OBSERVER	K. LINDBERG	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2706
DATE	11-20-61	SECTION II	PAGE 61

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APPENDIX

AFTER SUPPRESSION

BROADBAND ☒ RADIATED ☒ STABILIZATION NETWORK ☒ TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 3

FREQUENCY MC		INTERFERENCE LEVEL METER READING DBMC		ANT. FACTOR +DB		CABLE LOSS +DB		CORRECTED LEVEL DBMC		SPEC LIMIT DBMC
0.15	*	<28		37.		<1.0		<65		77
0.2	*	<33		36.4		↑		<69.4		75
0.3	*	<28		36.4				<64.4		73
0.4		38		30.5				68.5		71
0.6		31		32.5				63.5		70
0.8		35		33.5				68.5		69
1.2		60		27.5				87.5		69
1.6		54		28.				82		69
2.4		50		23.6				73.6		68
3.2		57		22.4				79.4		68
4.8		85		23.5				108.5		68
6.4		83		19.6				102.6		68
10.		71		18.4				89.4		67
12.		85		19.6				104.6		67
20.		90		14.				104		67
25.		92		14.8				106.8		66
35.		83		8.		↓		91		50
50.		92		↑		<1.0		100		51
70.		83				1.0		92		52
100.		78				1.3		87.3		53
150.		72				1.6		81.6		54
200.		68				1.9		77.9		55
250.		63				2.2		73.2		56
300.		52				2.4		63.4		57
350.		53				2.6		63.6		57
400.		50				2.8		60.8		57
500.		38				3.1		49.1		57
600.		42				3.4		53.4		28
700.		34				3.7		45.7		55
800.		34				4.0		46		55
900.	*	<11				4.4		<23.4		60
1000.	*	<12.5		8.		4.8		<25.3		62

* RECEIVER NOISE

NF-105, S/N 1894

RECORDER	B. GLASS	TITLE FIG. "A" DCS 5A, 1284 SET #1, 25-22552-28	MOD. NO. 1
OBSERVER K. LINDBERG		STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	82-2[illegible]
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AFTER SUPPRESSION

BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 4

FREQUENCY KC		INTERFERENCE LEVEL METER READING DBMC		CABLE LOSS +DB		ANT. FACTOR +DB		COR-RECTED LEVEL DBMC		SPEC LIMITS DBMC
15		77		1.0		0		77		97
20	*	96						96		96
30	*	93						93		91
40	*	89						89		88
60	*	71						71		84
80	*	60						60		82
120	RN	<62						<62		78
150	RN	<62		1.0		0		<62		77

RN - RECEIVER NOISE

* STEADY STATE NOISE OBSCURES TRANSIENT NOISE

NM-10A S/N 169-26

IMPULSE GENERATOR S/N 446

RECORDER	B.GLASS	TITLE FIG. "A" DCD 5A, 1284 SET #1, 25-22552-28	MOD.
OBSERVER	K. LINDBERG	STATION 16-201 TEST NO. 2	SER. NO.
DATA UNITS	DBMC	BOEING AIRPLANE COMPANY AERO-SPACE DIVISION SEATTLE 24, WASH.	T2-2705
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AFTER SUPPRESSION

BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 4

FREQUENCY MC		INTERFERENCE LEVEL METER READING DBMC	ANT. FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMC	SPEC LIMITS DBMC
0.15	*	< 28	37.	<1.0	<65	77
0.2	*	< 33	36.4		<69.4	75
0.3	*	< 28	36.4		<64.4	73
0.4	*	< 24	30.5		<54.5	71
0.6	*	< 22	32.5		<55.5	70
0.8	*	< 23	33.5		<56.5	69
1.2		51	27.5		78.5	69
1.6		48	28.		76	69
2.4		54	23.6		77.6	68
3.2		66	22.4		88.4	68
4.8		80	23.5		103.5	68
6.4		55	19.6		74.6	68
10.		60	18.4		78.4	67
12.		74	19.6		93.6	67
20.		75	14.		89	66
25.		74	14.8		88.8	66
35.		78	8.		86	50
50.		71		<1.0	79	50
70.		77		1.0	86	50
100.		70		1.3	79.3	54
150.		55		1.6	64.6	54
200.		58		1.9	67.9	54
250.		53		2.2	63.2	54
300.		32		2.4	42.4	54
350.		34		2.6	44.6	54
400.		30		2.8	40.8	54
500.	*	<10		3.1	<21.1	54
600.	*	< 9		3.4	<20.4	54
700.	*	< 8		3.7	<19.7	54
800.	*	<11		4.0	<23	54
900.	*	<11		4.4	<23.4	54
1000.	*	<12.5	8.	4.8	<25.3	54

* RECEIVER NOISE

NF-105, S/N 1894

RECORDER	B. GLASS	TITLE FIG. "A" DCS 5A, 1284 SET #1, 25-22552-28	MOD.
OBSERVER	K. LINDBERG	STATION 16-201 TEST NO. 2	SER.
DATA UNITS	DBMC	AEROSPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-[illegible]
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AFTER SUPPRESSION

BROADBAND ☒ RADIATED ☒ STABILIZATION NETWORK ☒3 TRANSIENT ☒

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 5

FREQUENCY KC		INTERFERENCE LEVEL METER READING DBMC	CABLE LOSS +DB	ANT. FACTOR +DB	CORRECTED LEVEL DBMC	SPEC LIMITS DBMC
15		83	1.0	0	83	97
20	*	96			96	96
30	*	94			94	91
40	*	89			89	88
60	*	71			71	84
80	*	60			60	82
120	RN	<62			<62	78
150	RN	<62	1.0	0	<62	77

RN - RECEIVER NOISE

* STEADY STATE OBSCURES TRANSIENT

NM-10A S/N 169-26

IMPULSE GENERATOR S/N 496

RECORDER	B. GLASS	TITLE FIG. "A" DCD 5A, 1284 SET #1, 25-22552-28	MOD. NO. 3334
OBSERVER	K. LINDBERG	STATION 16-201 TEST NO. 2	SER. NO. [illegible]02
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH. SECTION II	T2-2786
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AFTER SUPPRESSION

BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☐

MODE 5

FREQUENCY MC		INTERFERENCE LEVEL METER READING DBMC		ANT. FACTOR +DB		CABLE LOSS +DB		CORRECTED LEVEL DBMC		SPEC LIMITS DBMC
0.15	*	<28		37.		<1.0		<65		77
0.2	*	<33		36.4				<69.4		75
0.3	*	<28		36.4				<64.4		73
0.4	*	<24		30.5				<54.5		71
0.6	*	<22		32.5				<55.5		70
0.8	*	<23		33.5				<56.5		69
1.2		53		27.5				80.5		69
1.6	*	<29		28.				<57		69
2.4	*	<25		23.6				<48.6		68
3.2		40		22.4				62.4		68
4.8		62		23.5				85.5		68
6.4		41		19.6				60.6		68
10.		51		18.4				69.4		67
12.		53		19.6				72.6		67
20.		61		14.				75		66
25.		61		14.8				75.8		66
35.		61		8.				69		70
50.		74				<1.0		82		51
70.		71				1.0		80		52
100.		57				1.3		66.3		53
150.		40				1.6		49.6		54
200.		63				1.9		72.9		52
250.		57				2.2		67.2		55
300.		40				2.4		50.4		55
350.		44				2.6		54.6		57
400.		40				2.8		50.8		57
500.	*	<10				3.1		<21.1		58
600.	*	<9				3.4		<20.4		58
700.	*	<8				3.7		<19.7		59
800.	*	<11				4.0		<23		59
900.	*	<11				4.4		<23.4		62
1000.	*	<12.5		8.		4.8		<25.3		60

* RECEIVER NOISE

NF-105, S/N 1894

RECORDER	B. GLASS	TITLE FIG. "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD.
OBSERVER	K. LINDBERG	STATION 16-201 TEST NO. 2	SER. NO.
DATA UNITS	DBMC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2135
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METER SUPPRESSION

BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODE 7

FREQUENCY KC		INTERFERENCE LEVEL METER READING DBMC	CABLE LOSS +DB	ANT. FACTOR +DB	CORRECTED LEVEL DBMC	SPEC LIMIT DBMC
15		81	1.0	0	81	97
20		99	↑	↑	99	96
30		94	↑	↑	94	91
40		92	↑	↑	92	88
60		71	↑	↑	71	84
80		60	↑	↑	60	82
120	RN	<62	↑	↑	<62	78
150	RN	<62	1.0	0	<62	77

RN = RECEIVER NOISE

NM-10A S/N 169-26

IMPULSE GENERATOR S/N 446

RECORDER	B. GLASS	TITLE FIG. "A" DCD 5A, 1284 SET #1, 25-22552-28	MOD. NO. 1
OBSERVER	K. LINDBERG	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMC	BOEING AIRPLANE COMPANY AEROSPACE DIVISION SEATTLE 24, WASH.	D2-2785
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AFTER SUPPRESSION

BROADBAND ☑ RADIATED ☑ STABILIZATION NETWORK ☑B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☐ CURRENT PROBE ☐ STEADY STATE ☑

MODE 7

FREQUENCY MC		INTERFERENCE LEVEL METER READING DBMC		ANT. FACTOR +DB		CABLE LOSS +DB		CORRECTED LEVEL DBMC		SPEC LIMITS DBMC
0.15	*	<28		37.		<1.0		<65		77
0.2	*	<33		36.4				<69.4		75
0.3	*	<28		36.4				<64.4		73
0.4	*	<24		30.5				<54.5		71
0.6	*	<22		32.5				<55.5		70
0.8	*	<23		33.5				<56.5		69
1.2	*	<27		27.5				<54.5		69
1.6	*	<29		28.				<57		69
2.4	*	<25		23.6				<48.6		68
3.2	*	<27		22.4				<49.4		68
4.8	*	<23		23.5				<46.5		68
6.4	*	<24		19.6				<43.6		68
10.	*	<22		18.4				<40.4		67
12.	*	<22		19.6				<41.6		67
20.	*	<24		14.				<38		66
25.	*	<24		14.8				<38.8		66
35.	*	<21		8.				<29		50
50.	*	<21				<1.0		<29		51
70.	*	<23				1.0		<32		52
100.	*	<25				1.3		<34.3		53
150.	*	<25				1.6		<34.6		54
200.	*	<25				1.9		<34.9		55
250.	*	<20				2.2		<30.2		56
300.	*	<19				2.4		<29.4		56
350.	*	<18				2.6		<28.6		57
400.	*	<21				2.8		<31.8		58
500.	*	<10				3.1		<21.1		59
600.	*	<9				3.4		<20.4		59
700.	*	<8				3.7		<19.7		59
800.	*	<11				4.0		<23		59
900.	*	<11				4.4		<23.4		60
1000.	*	<12.5		8.		4.8		<25.3		60

* RECEIVER NOISE

NF-105, S/N 1894

RECORDER	B.GLASS	TITLE FIG. "A" DGS 5A, 1284 SET #1, 25-22552-28	MOD.
OBSERVER K. LINDBERG		STATION 16-201 TEST NO. 2	SER. NO. 72-2736
DATA UNITS	DBMC	BOEING AIRPLANE COMPANY AERO-SPACE DIVISION SEATTLE 24, WASH.	PAGE 68
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APPENDIX

METER SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

FREQUENCY	INTERFERENCE LEVEL									SPEC LIMITS
	MODE	JACK	PIN		METER READING DB	CORR. FACTOR DB	CORRECTED LEVEL DBMA/20KC			DBMA/20KC
.03-15KC	1	09	1		105	-20	85			100
	2	09	1		117		97			
	3	09	1		117*		97			
	4	09	1		117*		97			
	8	09	1		112*		92			
	1	09	2		101		81			
	2	09	2		115		95			
	3	09	2		115*		95			
	4	09	2		115*		95			
	8	09	2		113		93			
	1	09	3		107		87			
	2	09	3		118		98			
	3	09	3		118*		98			
	4	09	3		118*		98			
	8	09	3		113		93			
	1	09	4		100		80			
	2	09	4		111		91			
	2	08	5		26		6			
	5	08	5		60		40			
	2	01	20		41		21			
	2	01	19		43		23			
	2	03	3		37		17			
	6	01	5		31		11			
.03-15KC	7	05	4		73	-20	53			100

* STEADY STATE

NM-40A, SN 310-4

RECORDER	R. BROAD	TITLE FIG "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. WS-133A
OBSERVER	L. DICKSON	STATION 116 - 201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA/20KC	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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AFTER SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☐ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

JACK 09 PIN 1 MODE 1

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	105	+16.5	< 1.0	121.5	157
20	137	+13.		150	150
25	155	+10.8		165.8	145
30	156	+ 9.0		165	141
40	140	+ 7.0		147	135
50	130	+ 5.0		135	130
60	132	+ 3.0		135	125
80	134	+ 0.		130	118
90	130	- 1.0		129	115
120	129	- 3.0		126	109
150	108	- 4.5	< 1.0	103.5	104
MC					
.35	97	- 4.5	< 1.0	92.5	104
.2	80	- 6.9		73.1	97
.3	66	- 8.5		57.5	87
.4	58	-10.		48	80
.5	53	-11.5		41.5	77
.8	69	-12.4		56.6	65
1.2	62	-13.4		48.4	55
1.6	67	-13.7		53.3	50
2.4	34	-13.8		20.2	50
3.2	* < 27	-14.0		< 13	50
4.8	* < 23	-14.0		< 9	49
6.4	* < 24	-14.0		< 10	48
10.	* < 22	-14.0		< 8	48
12.	* < 22	-14.0		< 8	48
20.	* < 24	-14.0		< 10	47
25.	* < 24	-14.0	< 1.0	< 10	47

* RECEIVER NOISE

NM-10A, SN 169-26 CURRENT PROBE 273-95

NF-105, SN 1894 CURRENT PROBE 273-95

IMPULSE GENERATOR, SN - 446

RECORDER	E. GLASS	TITLE FIGURE "A" BGS 5A, 1284 SET #1, 25-22552-28	MOD. VG-133A
OBSERVER	K. LINDBERG	STATION 16-201 TEST NO. 2	SER. NO. CC02
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	D2-2786
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APPENDIX

AFTER SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

JACK 09 PIN 1 MODE 2

FREQUENCY MC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	SPEC LIMITS DBMA
15	105	+16.5	<1.0	121.5	157
20	127	+13.		140	150
25	153	+10.8		163.8	145
30	156	+ 9.0		165	141
40	144	+ 7.0		151	135
50	132	+ 5.0		137	130
60	131	+ 3.0		134	125
80	134	+ 0.		134	118
90	131	- 1.0		130	115
120	121	- 3.0		118	109
150	112	- 4.5	<1.0	107.5	104
KC					
.35	110	- 3.3	<1.0	106.7	104
.2	94	- 6.2		87.8	97
.3	74	- 8.5		65.5	87
.4	71	-10.		61	80
.6	58	-11.5		46.5	71
.8	74	-12.3		61.7	65
1.2	68	-13.		55	55
1.6	72	-13.5		58.5	50
2.4	44	-13.8		30.2	50
3.2	36	-14.		22	50
4.8	* <23	-14.		<9	49
6.4	* <24	-14.		<10	48
10.	* <22	-14.		<8	48
12.	* <22	-14		<8	48
20.	* <24	-13.6		<10.4	47
25.	* <24	-13.2	<1.0	<10.8	47

* RECEIVER NOISE

NM-10A, SN 169-26 CURRENT PROBE 273-95

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER	B. GLASS	TITLE "A" FOS 5A, 2284 SN 1 W1, 25, 22552-23	MOD. WG-133A
OBSERVER	K. LINDBERG	STATION 16-201 TEST NO. 2	SER. NO. CC02
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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AEIER SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

JACK 09 PIN 1 MODE 3

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBMA	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	135	+16.5	<1.0	151.5	157
20	148	+13.		161	150
25	155	+10.8		165.8	145
30	159	+ 9.0		168	141
40	148	+ 7.0		155	135
50	133	+ 5.0		138	130
60	139	+ 3.0		142	125
80	138	+ 0.		138	118
90	138	- 1.0		137	115
120	129	- 3.0		126	109
150	127	- 4.5	<1.0	122.5	104
MC					
.15	125	- 4.5	<1.0	120.5	104
.2	116	- 6.2		109.8	97
.3	102	- 8.5		93.5	87
.4	99	-10.		89	80
.6	103	-11.5		91.5	71
.8	106	-12.4		93.6	65
1.2	103	-13.4		89.6	55
1.6	109	-13.7		95.3	50
2.4	102	-13.6		88.2	50
3.2	117	-14.0		103	50
4.8	116	-14.0		102	49
6.4	120	-14.0		106	48
10.	113	-14.0		99	48
12.	108	-14.0		94	48
20.	115	-14.0		101	47
25.	120	-14.0	<1.0	106	47

IM-10A, SN 169-26 CURRENT PROBE 273-95

NF-105, SN 1894 CURRENT PROBE 273-95

IMPULSE GENERATOR, SN - 446

RECORDER R. BROAD	TITLE FIGURE "A" TCS 5A, [illegible] 25+22552-23		MOD. MC-133A
OBSERVER L. DICKSON	STATION 16-201	TEST NO. 2	SER. NO. C002
DATA UNITS DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2786
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APPENDIX

METER SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

JACK 09 PIN 1 MODE 4

FREQUENCY		INTERFERENCE LEVEL								SPEC LIMITS
MC		METER READING DBUC		PROBE FACTOR +DB		CABLE LOSS +DB		CORRECTED LEVEL DBUA		DBUA
15		131		+15.		<1.0		146		157
20	*	152		+12.				164		150
25	*	155		+10.				165		145
30	*	158		+ 8.5				166.5		141
40	*	146		+ 6.				152		135
50	*	135		+ 4.				139		130
60	*	131		+ 2.6				133.6		125
80	*	138		+ 0.2				139.2		118
90		131		- 0.7				130.3		115
122		121		- 2.8				118.2		109
150		129		- 4.3		<1.0		124.7		104
MC										
.35		119		- 4.3		<1.0		114.7		104
.2		106		- 6.2				99.8		97
.3		103		- 8.5				94.5		87
.4		93		-10.				83		80
.5		82		-11.5				70.5		71
.8		95		-12.3				82.7		65
1.2		89		-13.				76		55
1.6		96		-13.5				82.5		50
2.4		96		-13.8				82.2		50
3.2		97		-14.				83		50
4.3		113		-14.				99		49
6.4		103		-14.				89		48
10.		108		-14.				94		48
12.		87		-14				73		48
20.		89		-13.6				75.4		47
25.		95		-13.2		<1.0		81.8		47

* STEADY STATE OBSCURES TRANSIENT

NM-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN - 446

RECORDER	R. BROAD	TITLE "A" POS 5A, 2484 S 1 M, 25-22552-23	MOD. WB-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBUA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	D2-2786
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AFTER SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

JACK 09 PEN 1 MODE 8

FREQUENCY MC	INTERFERENCE LEVEL: METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	SPEC LIMITS DBMA
15	124	+15.	< 1.0	139	157
20	135	+12.		147	150
25	*155	+10.		165	145
30	*161	+ 8.5		169	141
40	*137	+ 6.		142	135
50	*128	+ 4.		132	130
60	*129	+ 2.6		131.6	125
70	*128	+ 0.2		128.2	118
90	*128	- 0.7		127.3	115
120	126	- 2.8		123.2	109
150	119	- 4.3	< 1.0	114.7	104
MC					
.15	116	- 4.3	< 1.0	111.7	104
.2	107	- 6.2		100.8	97
.3	97	- 8.5		88.5	87
.4	92	-10.		82	80
.5	91	-11.5		79.5	71
.8	98	-12.3		85.7	65
1.2	93	-13.		80	55
1.6	93	-13.5		79.5	50
2.4	102	-13.8		88.2	50
3.2	98	-14.		84	50
4.8	110	-14.		96	49
6.4	105	-14.		91	48
10.	84	-14.		70	48
12.	87	-14		73	48
20.	89	-13.6		75.4	47
25.	96	-13.2	< 1.0	82.8	47

* STEADY STATE OBSCURES TRANSIENT

NM-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER	E. BROAD	TITLE FIGURE "A" DCS 5A, 1284 SN 1 #1, 25 V 22552-23	MOD. WC-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	D2-2785
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

JACK 09 PIN 2 MODE 1

FREQUENCY MC	METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBUA	SPEC LIMITS DBUA
15	125	+15.	<1.0	140	157
20	152	+12.		164	150
25	150	+10.		160	145
30	154	+ 8.5		162.5	141
40	147	+ 6.		153	135
50	148	+ 4.		152	130
60	135	+ 2.6		137.6	125
80	121	+ 0.2		121.2	118
90	118	- 0.7		117.3	115
120	107	- 2.8		104.2	109
150	93	- 4.3	<1.0	88.7	104
KC					
.15	90	- 4.3	<1.0	85.7	104
.2	78	- 6.2		71.8	97
.3	67	- 8.5		58.5	87
.4	57	-10.		47	80
.6	44	-11.5		32.5	71
.8	55	-12.3		42.7	65
1.2	46	-13.		33	55
1.6	50	-13.5		36.5	50
2.4	* <25	-13.8		<11.2	50
3.2	* <27	-14.		<13	50
4.8	* <23	-14.		< 9	49
6.4	* <24	-14.		<10	48
10.	* <22	-14.		<8	48
12	* <22	-14		<8	48
20.	* <24	-13.6		<10.4	47
25.	* <24	-13.2	<1.0	<10.8	47

* RECEIVER NOISE

NM-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	H. WATSON	TITLE "A" JIG 5A, 1684 S/A 1, 25-22552-23	MOD. WO-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	BOEING AIRPLANE COMPANY AEROSPACE DIVISION SEATTLE 24, WASH.	D2-2786
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AFTER SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

JACK 09 PIN 2 MODE 2

FREQUENCY		INTERFERENCE LEVEL						SPEC LIMITS
MC		METER READING DBUC		PROBE FACTOR +DB		CABLE LOSS +DB	CORRECTED LEVEL DBUA	DBUA
15		120		+15.		<1.0	135	157
20		146		+12.			158	150
25		153		+10.			163	145
30		158		+ 8.5			166.5	141
40		143		+ 6.			149	135
50		151		+ 4.			155	130
60		140		+ 2.6			142.6	125
80		125		+ 0.2			125.2	118
90		117		- 0.7			116.3	115
120		110		- 2.8			107.2	109
150		100		- 4.3		<1.0	95.7	104
KC								
.35		97		- 4.3		<1.0	92.7	104
.2		88		- 6.2			81.8	97
.3		80		- 8.5			71.5	87
.4		64		-10.			54	80
.6		60		-11.5			48.5	71
.8		51		-12.3			38.7	65
1.2		52		-13.			39	55
1.6		31		-13.5			17.5	50
2.4	*	<25		-13.8			<11.2	50
3.2	*	<27		-14.			<13	50
4.8	*	<23		-14.			<9	49
6.4	*	<24		-14.			<10	48
10.	*	<22		-14.			<8	48
12.	*	<22		-14			<8	48
20.	*	<24		-13.6			<10.4	47
25.	*	<24		-13.2		<1.0	<10.8	47

* RECEIVER NOISE

NM-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1004 CURRENT PROBE 277-66

EQUIPMENT CONTRACTOR, SN 447

RECORDER	B. GLASS	TITLE ENGINE "A" TCS 5A, 2284 SHP #1, 25-22552-23	MOD. WC-1334
OBSERVER	K. LINDBERG	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBM	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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AFTER SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

JACK 09 PIN 2 MODE 3

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	135	+15.	<1.0	150	157
20	142	+12.	1	154	150
25	159	+10.		169	145
30	154	+ 8.5		162.5	141
40	144	+ 6.		150	135
50	151	+ 4.		155	130
60	140	+ 2.6		142.6	125
80	130	+ 0.2		130.2	118
90	128	- 0.7		127.3	115
120	116	- 2.8		113.2	109
150	108	- 4.3	<1.0	103.7	104
MC					
.15	106	- 4.3	<1.0	101.7	104
.2	100	- 6.2	1	93.2	97
.3	90	- 8.5		82.5	87
.4	88	-10.		78	80
.5	85	-11.5		73.5	71
.8	93	-12.3		80.7	65
1.2	89	-13.		76	55
1.6	89	-13.5		75.5	50
2.4	94	-13.8		80.2	50
3.2	81	-14.		67	50
4.8	116	-14.		102	49
6.4	120	-14.		106	48
10.	106	-14.		92	48
12.	95	-14		81	48
20.	104	-13.6	V	90.4	47
25.	113	-13.2	<1.0	99.8	47

MG-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	P. BROAD	TITLE [illegible]	MOD. WG-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	BOEING AIRPLANE COMPANY AEROSPACE DIVISION SEATTLE 24, WASH.	T2-2706
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☐ B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

JACK 09 PIN 2 MODE 4

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBUA	DBUA
15	126	+15.	<1.0	141	157
20	*155	+12.		167	150
25	*153	+10.		163	145
30	*158	+ 8.5		166.5	141
40	*143	+ 6.		149	135
50	*136	+ 4.		140	130
60	*141	+ 2.6		143.6	125
80	*130	+ 0.2		130.2	118
90	*121	- 0.7		120.3	115
120	*105	- 2.8		102.2	109
150	102	- 4.3	<1.0	97.7	104
KC					
.15	100	- 4.3	<1.0	95.7	104
.2	101	- 6.2		94.8	97
.3	87	- 8.5		78.5	87
.4	81	-10.		71	80
.6	75	-11.5		63.5	71
.8	88	-12.3		75.7	65
1.2	74	-13.		61	55
1.6	81	-13.5		67.5	50
2.4	86	-13.8		72.2	50
3.2	68	-14.		54	50
4.8	110	-14.		96	49
6.4	105	-14.		91	48
10.	83	-14.		69	48
12.	72	-14		58	48
20.	82	-13.6		68.4	47
25.	98	-13.2	<1.0	84.8	47

* STEADY STATE OBSCURES TRANSIENTS

NM-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 447

RECORDER	B. GLASS	TITLE [illegible]	MOD. WG-1334
OBSERVER	K. LINDBERG	STATION 16-201 TEST NO. 2	SER. NO. CC02
DATA UNITS	DBMA	BOEING AIRPLANE COMPANY AERO-SPACE DIVISION SEATTLE 24, WASH.	D2-2786
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APPENDIX

AFTER SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

JACK 09 PIN 2 MODE 8

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	127	+15.	< 1.0	142	157
20	* 138	+12.		150	150
25	* 155	+10.		165	145
30	* 158	+ 8.5		166.5	141
40	* 148	+ 6.		154	135
50	* 147	+ 4.		151	130
60	* 135	+ 2.6		137.6	125
80	* 124	+ 0.2		124.2	118
90	* 119	- 0.7		118.3	115
120	* 127	- 2.8		124.2	109
150	96	- 4.3	< 1.0	91.7	104
.15	99	- 4.3	< 1.0	94.7	104
.2	93	- 6.2		86.8	97
.3	85	- 8.5		76.5	87
.4	78	-10.		68	80
.6	75	-11.5		63.5	71
.8	79	-12.3		66.7	65
1.2	72	-13.		59	55
1.6	73	-13.5		59.5	50
2.4	74	-13.8		60.2	50
3.2	60	-14.		46	50
4.8	99	-14.		85	49
6.4	99	-14.		85	49
10.	80	-14.		66	48
12.	68	-14		54	48
20.	74	-13.6		60.4	47
25.	85	-13.2	< 1.0	71.8	47

* STEADY STATE OBSCURES TRANSIENTS

NM-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER R. BROAD	TITLE "A" ICS 5A, 1284 C/L #1, 25+22552-23		MOD. MG-133A
OBSERVER L. DICKSON	STATION 16-201	TEST NO. 2	SER. NO. 0002
DATA UNITS DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		22-2796
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AFTER SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

JACK 09 PIN 3 MODE 1

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	129	+15.	< 1.0	144	157
20	141	+12.		153	150
25	155	+10.		165	145
30	158	+ 8.5		166.5	141
40	152	+ 6.		158	135
50	141	+ 4.		145	130
60	131	+ 2.6		133.6	125
80	135	+ 0.2		135.2	118
90	128	- 0.7		127.3	115
120	111	- 2.8		108.2	109
150	111	- 4.3	< 1.0	106.7	104
KC					
.15	99	- 4.3	< 1.0	94.7	104
.2	86	- 6.2		79.8	97
.3	67	- 8.5		58.5	87
.4	61	-10.		51	80
.6	54	-11.5		42.5	71
.8	71	-12.3		58.7	65
1.2	63	-13.		50	55
1.6	66	-13.5		52.5	50
2.4	35	-13.8		21.2	50
3.2	* < 27	-14.		< 13	50
4.8	29	-14.		15	49
6.4	* < 24	-14.		< 10	48
10.	* < 22	-14.		< 8	48
12.	* < 22	-14.		< 8	48
20.	* < 24	-13.6		< 10.4	47
25.	* < 24	-13.2	< 1.0	< 10.8	47

* RECEIVER NOISE

MG-10A, SN 169-26 CURRENT PROBE 277-66

MF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER	H. WATSON	TITLE "A" [illegible] 25-22552-23	MOD. WG-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	D2-2786
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BROADBAND ☒ RADIATED ☐ STABILIZATION NETWORK ☒ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☒ CURRENT PROBE ☒ STEADY STATE ☒

JACK 09 PIN 3 MODE 2

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	126	+15.	<1.0	141	157
20	146	+12.		158	150
25	156	+10.		166	145
30	159	+ 8.5		167.5	141
40	146	+ 6.		152	135
50	137	+ 4.		141	130
60	135	+ 2.6		137.6	125
70	127	+ 0.2		127.2	118
90	125	- 0.7		124.3	115
120	113	- 2.8		110.2	109
150	111	- 4.3	<1.0	106.7	104
KC					
.25	110	- 4.3	<1.0	105.7	104
.2	93	- 6.2		86.8	97
.3	86	- 8.5		77.5	87
.4	76	-10.		66	80
.5	61	-11.5		49.5	77
.8	78	-12.3		65.7	65
1.2	68	-13.		65	55
1.5	71	-13.5		57.5	50
2.4	49	-13.8		35.8	50
3.2	36	-14.		22	50
4.8	* <23	-14.		<9	49
6.4	* <24	-14.		<10	48
10.	* <22	-14.		<8	46
12.	* <22	-14.		<8	48
20.	* <24	-13.6		<10.4	47
25.	* <24	-13.2	<1.0	<10.8	47

* RECEIVER NOISE

NM-10A, SN-169-26 CURRENT PROBE 277-66

NC-105, SN-1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER B. GLASS	TITLE [illegible]		MOD. MG-1334
OBSERVER L. DICKSON	STATION 16-201	TEST NO. 2	SER. NO. 0002
DATA UNITS DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE, WASH.		D2-2705
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

JACK 09 PIN 3 MODE 3

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBMC	PROBE CALIBRATION +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	143	+15.	<1.0	158	157
20	146	+12.		158	150
25	*158	+10.		168	145
30	*160	+ 8.5		168.5	141
40	* 147	+ 6.		153	135
50	146	+ 4.		150	130
60	* 135	+ 2.6		137.6	125
80	* 133	+ 0.2		133.2	118
90	* 135	- 0.7		134.3	115
120	130	- 2.8		127.2	109
150	137	- 4.3	<1.0	132.7	104
KC					
.15	127	- 4.3	<1.0	122.7	104
.2	117	- 6.2		110.8	97
.3	105	- 8.5		96.5	87
.4	98	-10.		88	80
.5	102	-11.5		90.5	71
.8	101	-12.3		88.7	65
1.2	97	-13.		84	55
1.6	109	-13.5		95.5	50
2.4	98	-13.8		84.2	50
3.2	100	-14.		86	50
4.8	111	-14.		97	49
6.4	114	-14.		100	48
10.	106	-14.		92	48
12.	105	-14		91	48
20.	103	-13.6		89.4	47
25.	114	-13.2	<1.0	100.8	47

* STEADY STATE OBSCURES TRANSIENTS

NM-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER	B. GLASS	TITLE POWER "A" FOR 5A, 28V, SN [illegible], 25-22552-23	MOD. WG-1334
OBSERVER	L. HUGES	STATION 16-201 TEST NO. 8	SER. NO. CC02
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	D2-2786
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

JACK 09 PIN 3 MODE 4

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBUA	DBUA
15	*128	+15.	<1.0	143	157
20	*143	+12.		155	150
25	*156	+10.		166	145
30	*158	+ 8.5		166.5	141
40	*146	+ 6.		152	135
50	*135	+ 4.		139	130
60	*134	+ 2.6		136.6	125
80	*128	+ 0.2		128.2	118
90	122	- 0.7		127.3	115
120	124	- 2.8		119.2	109
150		- 4.3	<1.0	119.7	104
MC					
.15	117	- 4.3	<1.0	115.7	104
.2	116	- 6.2		109.8	97
.3	102	- 8.5		93.5	87
.4	96	-10.		86	80
.6	93	-11.5		81.5	71
.8	100	-12.3		87.7	65
1.2	100	-13.		87	55
1.6	102	-13.5		88.5	50
2.4	100	-13.8		86.2	50
3.2	100	-14.		86	50
4.8	111	-14.		97	49
6.4	105	-14.		91	48
10.	79	-14.		65	48
12.	85	-14		71	48
20.	84	-13.6		70.4	47
25.	87	-13.2	<1.0	73.8	47

* STEADY STATE OBSCURES TRANSIENTS

NM-10A, SN 169-36 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER	B. GLASS	TITLE FIGURE "A" ICS 5A, 1384 SN 1, 25-22552-23	MOD. WG-133A
OBSERVER	L. HUGHES	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBUA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

JACK 09 PIN 3 MODE 8

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBUA	DBUA
15	*124	+15.	<1.0	139	157
20	*142	+12.		154	150
25	*163	+10.		173	145
30	*159	+ 8.5		167.5	141
40	*144	+ 6.		150	135
50	*142	+ 4.		146	130
60	*138	+ 2.6		140.6	125
80	*132	+ 0.2		132.2	118
90	*130	- 0.7		129.3	115
120	*123	- 2.8		120.2	109
150	121	- 4.3	<1.0	116.7	104
MC					
.15	119	- 4.3	<1.0	114.7	104
.2	110	- 6.2		103.8	97
.3	100	- 8.5		91.5	87
.4	93	-10.		83	80
.6	91	-11.5		79.5	72
.8	100	-12.3		87.7	65
1.2	93	-13.		80	55
1.6	92	-13.5		78.5	50
2.4	97	-13.8		83.2	50
3.2	99	-14.		85	50
4.8	110	-14.		96	49
6.4	104	-14.		90	48
10.	85	-14.		71	48
12.	87	-14.		73	48
20.	90	-13.6		76.4	47
25.	91	-13.2	<1.0	77.8	47

* STEADY STATE OBSCURES TRANSIENTS

NM-10A, SN 169-26 CURRENT PROBE 277-66

NE-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER	R. BROAD	TITLE FIGURE "A" MCS 5A, 1284 SHT 41, 25-22552-23	MOD. MG-1334
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBUA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

JACK 09 PIN 4 MODE 1

FREQUENCY		INTERFERENCE LEVEL								SPEC LIMITS
KC		METER READING DBUC		PROBE FACTOR +DB		CABLE LOSS +DB		CORRECTED LEVEL DBUA		DBUA
15		106		+15.		<1.0		121		157
20		113		+12.				125		150
25		140		+10.				150		145
30		147		+ 8.5				157.5		141
40		144		+ 6.				150		135
50		145		+ 4.				149		130
60		139		+ 2.6				141.6		125
80		133		+ 0.2				133.2		118
90		127		- 0.7				126.3		115
120		122		- 2.8				119.2		109
150		99		- 4.3		<1.0		94.7		104
MC										
.15		92		- 4.3		<1.0		87.7		104
.2		80		- 6.2				73.8		97
.3		63		- 8.5				54.5		87
.4		56		-10.				46		80
.6		53		-11.5				41.5		77
.8		71		-12.3				57.7		65
1.2		63		-13.				50		55
1.6		70		-13.5				56.5		50
2.4		41		-13.8				27.2		50
3.2	*	<27		-14.				<13		50
4.8	*	<23		-14.				<9		49
6.4	*	<24		-14.				<10		48
10.	*	<22		-14.				<8		48
12.	*	<22		-14				<8		48
20.	*	<24		-13.6				<10.4		47
25.	*	<24		-13.2		<1.0		<10.8		47

* RECEIVER NOISE

NM-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER	H WATSON	TITLE FIGURE "A" ICS 5A, 1884 CNG 61, 25-22552-23	MOD. VG-1334
OBSERVER	L DICKSON	STATION 16-201 TEST NO. 2	SER. NO. CC02
DATA UNITS	DBUA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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AETER SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

JACK J9 PIN 4 MODE 2

FREQUENCY		INTERFERENCE LEVEL						SPEC LIMITS
MC		METER READING DB/C		PROBE FACTOR +DB		CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
.15		98		+15.		< 1.0	113	157
20		133		+12.			145	150
25		135		+10.			145	145
30		150		+ 8.5			158.5	141
40		140		+ 6.			146	135
50		148		+ 4.			152	130
60		138		+ 2.6			140.6	125
80		132		+ 0.2			132.2	118
90		139		- 0.7			138.3	115
120		125		- 2.8			122.2	109
150		102		- 4.3		< 1.0	97.7	104
MC								
.15		99		- 4.3		< 1.0	94.7	104
.2		86		- 6.2			79.8	97
.3		79		- 8.5			70.5	87
.4		70		-10.			60	80
.6		61		-11.5			49.5	71
.8		78		-12.3			65.7	65
1.2		69		-13.			56	55
1.6		74		-13.5			60.5	50
2.4		48		-13.8			34.2	50
3.2		37		-14.			23	50
4.8	*	< 23		-14.			< 9	49
6.4	*	< 24		-14.			< 10	48
10.	*	< 22		-14.			< 8	48
12.	*	< 22		-14			< 8	48
20.	*	< 24		-13.6			< 10.4	47
25.	*	< 24		-13.2		< 1.0	< 10.8	47
	*	RECEIVER		NOISE				

NM-10A, SN 169-26 CURRENT PROBE 277-66

NE-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER	B. GLASS	TITLE FIGURE "A" DCS 5A, 1884 SN 1-01, 25-22552-28		MOD. MC-132A
OBSERVER	K. LINDBERG	STATION 16-201	TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2786
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

JACK 08 PIN 5 MODE 2

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
	METER READING DB/C	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DB/A	DB/A
KC					
15	* < 71	+15.	< 1.0	< 86	157
20	* < 71	+12.		< 83	150
25	* < 68	+10.		< 78	145
30	* < 68	+ 8.5		< 66.5	141
40	* < 68	+ 6.		< 74	135
50	* < 65	+ 4.		< 69	130
60	* < 64	+ 2.6		< 66.6	125
80	* < 63	+ 0.2		< 63.2	118
90	* < 63	- 0.7		< 62.3	115
120	* < 62	- 2.8		< 59.2	109
150	* < 60	- 4.3	< 1.0	< 55.7	104
MC					
.15	* < 28	- 4.3	< 1.0	< 23.7	104
.2	* < 33	- 6.2		< 26.8	97
.3	36	- 8.5		27.5	87
.4	* < 24	-10.		< 14	80
.6	47	-11.5		35.5	71
.8	47	-12.3		34.7	65
1.2	54	-13.		41	55
1.6	36	-13.5		22.5	50
2.4	38	-13.8		24.2	50
3.2	* < 27	-14.		< 13	50
4.8	* < 23	-14.		< 9	49
6.4	* < 24	-14.		< 10	48
10.	* < 22	-14.		< 8	48
12.	* < 22	-14		< 8	48
20.	* < 24	-13.6		< 10.4	47
25.	* < 24	-13.2	< 1.0	< 10.8	47

* RECEIVER NOISE

NM-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER	R. BROAD	TITLE FIGURE "A" ICS 5A, 1284 BWC #1, 25+22552-23	MOD. WG-133A
OBSERVER	L. DICKSON	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DB/A	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	D2-2786
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ B TRANSIENT ☑

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☐

JACK 09 PIN 5 MODE 5

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBAC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	86	+15.	< 1.0	101	157
20	91	+12.		103	150
25	99	+10.		109	145
30	115	+ 8.5		123.5	141
40	120	+ 6.		126	135
50	107	+ 4.		111	130
60	102	+ 2.6		104.6	125
80	105	+ 0.2		105.2	118
90	103	- 0.7		102.3	115
120	95	- 2.8		92.2	109
150	79	- 4.3	< 1.0	74.7	104
MC					
.15	84	- 4.3	< 1.0	79.7	104
.2	74	- 6.2		67.8	97
.3	79	- 8.5		70.5	87
.4	71	-10.		61	80
.6	60	-11.5		48.5	71
.8	73	-12.3		60.7	65
1.2	71	-13.		58	55
1.6	73	-13.5		59.5	50
2.4	75	-13.8		61.2	50
3.2	68	-14.		54	50
4.8	90	-14.		76	49
6.4	93	-14.		79	48
10.	88	-14.		74	48
12.	94	-14		80	48
20.	80	-13.6		66.4	47
25.	84	-13.2	< 1.0	70.8	47

NM-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER R. GLASS	TITLE/SECTION "A" ICS 5A, 2084 CWT NO. 25+22552+24		MOD. NO. 3 5A
OBSERVER K. LINDBERG	STATION 16-201	TEST NO. 2	SER. NO. 0002
DATA UNITS DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH. SECTION TT		T2-2786
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BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

JACK 01 PIN 20 MODE 2

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBUA	DBUA
15	71	+15.	<1.0	86	157
20	75	+12.		87	150
25	83	+10.		93	145
30	88	+ 8.5		96.5	141
40	90	+ 6.		96	135
50	90	+ 4.		94	130
60	89	+ 2.6		91.6	125
80	76	+ 0.2		76.2	118
90	81	- 0.7		80.3	115
120	73	- 2.8		70.2	109
150	74	- 4.3	<1.0	69.7	104
MC					
.15	72	- 4.3	<1.0	67.7	104
.2	75	- 6.2		68.8	97
.3	77	- 8.5		68.5	87
.4	67	-10.		57	80
.6	47	-11.5		35.5	71
.8	57	-12.3		44.7	65
1.2	61	-13.		48	55
1.6	69	-13.5		55.5	50
2.4	64	-13.8		50.2	50
3.2	38	-14.		28	50
4.8	* <23	-14.		<9	49
6.4	46	-14.		32	48
10.	* <22	-14.		<8	48
12.	* <22	-14		<8	49
20.	* <24	-13.6		<10.4	47
25.	* <24	-13.2	<1.0	<10.8	47

* STEADY STATE

NM-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER B	GLASS	TITLE FIGURE "A" IGS 5A, 1684 SNR #1, 25-22552-23	MOD. VG-133A
OBSERVER K	LINDBERG	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBUA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
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NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

JACK J1 PIN 19 MODE 2

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
KC	METER READING DBUC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBUA	DBUA
15	79	+15.	<1.0	94	157
20	80	+12.	〃	92	150
25	91	+10.	〃	101	145
30	84	+ 8.5	〃	92.5	141
40	81	+ 6.	〃	87	135
50	83	+ 4.	〃	87	130
60	81	+ 2.6	〃	83.6	125
80	76	+ 0.2	〃	76.2	118
90	76	- 0.7	〃	75.3	115
120	81	- 2.8	〃	78.2	109
150	73	- 4.3	<1.0	68.7	104
MC					
.15	69	- 4.3	<1.0	64.7	104
.2	71	- 6.2	〃	64.8	97
.3	72	- 8.5	〃	63.5	87
.4	61	-10.	〃	51	80
.6	56	-11.5	〃	44.5	71
.8	64	-12.3	〃	51.7	65
1.2	68	-13.	〃	55	55
1.6	77	-13.5	〃	63.5	50
2.4	67	-13.8	〃	53.2	50
3.2	57	-14.	〃	43	50
4.8	* <23	-14.	〃	<9	49
6.4	* <24	-14.	〃	<10	48
10.	* <22	-14.	〃	<8	48
12.	* <22	-14	〃	<8	48
20.	* <24	-13.6	〃	<10.4	47
25.	* <24	-13.2	<1.0	<10.8	47

* RECEIVER NOISE

NM-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER R. BROAD	TITLE FIGURE "A" RCS 5A, 1284 SER #1, 25-22552-23		MOD. MG-133A
OBSERVER L. DICKSON	STATION 16-201	TEST NO. 2	SER. NO. 0002
DATA UNITS DBUA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE, WASH.		T2-2786
DATE 11/16/62			PAGE 50

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VOL 1

APPENDIX

AETER SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

JACK 03 PIN 3 MODE 2

FREQUENCY	INTERFERENCE LEVEL				SPEC LIMITS
MC	METER READING DBMC	PROBE FACTOR +DB	CABLE LOSS +DB	CORRECTED LEVEL DBMA	DBMA
15	80	+15.	< 1.0	95	157
20	76	+12.		88	150
25	81	+10.		91	145
30	96	+ 8.5		104.5	141
40	91	+ 6.		97	135
50	79	+ 4.		83	130
60	77	+ 2.6		79.6	125
80	74	+ 0.2		74.2	118
90	72	- 0.7		71.3	115
120	71	- 2.8		68.2	109
150	75	- 4.3	< 1.0	70.7	104
KC					
.15	68	- 4.3	< 1.0	63.7	104
.2	70	- 6.2		63.8	97
.3	69	- 8.5		60.5	87
.4	62	-10.		52	80
.6	43	-11.5		31.5	71
.8	58	-12.3		45.7	65
1.2	56	-13.		43	55
1.6	67	-13.5		53.5	50
2.4	61	-13.8		47.2	50
3.2	55	-14.		41	50
4.8	43	-14.		29	49
6.4	31	-14.		17	48
10.	32	-14.		18	48
12.	* < 22	-14		< 8	48
20.	* < 24	-13.6		< 10.4	47
25.	* < 24	-13.2	< 1.0	< 10.8	47

* RECEIVER NOISE

NM-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

IMPULSE GENERATOR, SN 446

RECORDER	B GLASS	TITLE FIGURE "A" IRAC 5A, 1284 SHT #1, 25-22552-23	MOD. VC-133A
OBSERVER	K LINDBERG	STATION 16-201 TEST NO. 2	SER. NO. 0002
DATA UNITS	DBMA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.	T2-2786
DATE	11/16/61	SECTION II	PAGE 91

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APPENDIX

AEIER SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

JACK 01 PIN 5 MODE 6

FREQUENCY		INTERFERENCE LEVEL								SPEC LIMITS
KC		METER READING DBUC		PROBE FACTOR +DB		CABLE LOSS +DB		CORRECTED LEVEL DBUA		DBUA
15	*	< 71		+15.		< 1.0		< 86		157
20	*	< 71		+12.		"		< 83		150
25	*	< 68		+10.				< 78		145
30	*	< 68		+ 8.5				< 66.5		141
40	*	< 68		+ 6.				< 74		135
50	*	< 65		+ 4.				< 69		130
60	*	< 64		+ 2.6				< 66.6		125
80	*	< 63		+ 0.2				< 63.2		118
90	*	< 63		- 0.7				< 62.3		115
120	*	< 62		- 2.8		↓		< 59.2		109
150	*	< 60		- 4.3		< 1.0		< 55.7		104
MC										
.15	*	< 28		- 4.3		< 1.0		< 23		104
.2	*	< 33		- 6.2		"		< 26		97
.3		50		- 8.5				41.5		87
.4		41		-10.				31		80
.6		39		-11.5				27.5		71
.8		52		-12.3				39.7		65
1.2		54		-13.				41		55
1.6		46		-13.5				32.5		50
2.4		42		-13.8				28.2		50
3.2		36		-14.				22		50
4.8	*	< 23		-14.				< 9		49
6.4	*	< 24		-14.				< 10		48
10.	*	< 22		-14.				< 8		48
12.	*	< 22		-14				< 8		48
20.	*	< 24		-13.6		↓		< 10.4		47
25.	*	< 24		-13.2		< 1.0		< 10.8		47

* RECEIVER NOISE

NM-10A, SN 169-26 CURRENT PROBE 277-66
NF-105, SN 1894 CURRENT PROBE 277-66
IMPULSE GENERATOR, SN 946

RECORDER R. GLASS	TITLE FIGURE "A" ECS 5A, 1284 SN 1 #1, 25V22552-23		MOD. WG-133A
OBSERVER K. LINDBERG	STATION 16-201	TEST NO. 2	SER. NO. 0002
DATA UNITS DBUA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		72-2786
DATE 11/16/61	SECTION II VOL 1		PAGE 92

APPENDIX

AFTER SUPPRESSION

BROADBAND ☑ RADIATED ☐ STABILIZATION NETWORK ☑ B TRANSIENT ☐

NARROWBAND ☐ CONDUCTED ☑ CURRENT PROBE ☑ STEADY STATE ☑

JACK 05 PIN 4 MODE 7

FREQUENCY		INTERFERENCE LEVEL							SPEC LIMITS
KC		METER READING DBUC		PROBE FACTOR +DB		CABLE LOSS +DB		CORRECTED LEVEL DBUA	DBUA
15	*	<70		+15.		<1.0		<85	157
20		78		+12.				90	150
25		69		+10.				79	145
30	*	<62		+ 8.5				<70.5	141
40	*	<64		+ 6.				<70	135
50	*	<60		+ 4.				<64	130
60	*	<60		+ 2.6				<62.6	125
80	*	<60		+ 0.2				<60.2	118
90	*	<58		- 0.7				<57.3	115
120	*	<58		- 2.8				<55.2	109
150	*	<58		- 4.3		<1.0		<53.7	104
MC									
.15	*	<28		- 4.3		<1.0		<23.7	104
.2	*	<33		- 6.2				<26.8	97
.3		49		- 8.5				40.5	87
.4		40		-10.				30	80
.6		38		-11.5				26.5	71
.8		52		-12.3				39.7	65
1.2		54		-13.				41	55
1.6		42		-13.5				28.5	50
2.4		47		-13.8				33.2	50
3.2		38		-14.				24	50
4.8		30		-14.				16	49
6.4	*	<24		-14.				<10	48
10.	*	<22		-14.				<8	48
12.		30		-14.				16	48
20.	*	<24		-13.6				<10.4	47
25.	*	<24		-13.2		<1.0		<10.8	47

* RECEIVER NOISE

NM-10A, SN 169-26 CURRENT PROBE 277-66

NF-105, SN 1894 CURRENT PROBE 277-66

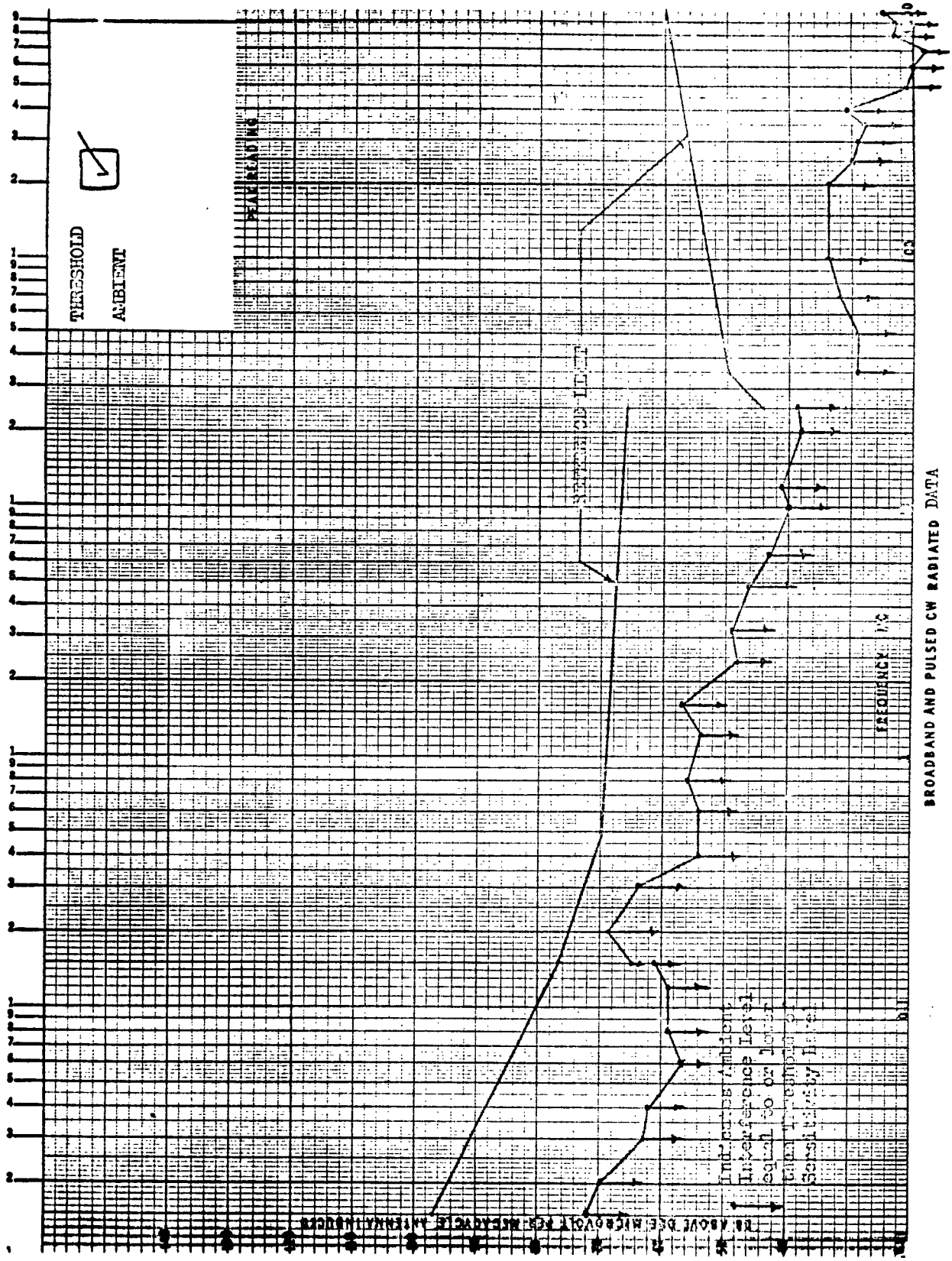
IMPULSE GENERATOR, SN 446

RECORDER B. GLASS	TITLE FIGURE "A" IGS 5A, 1284 SN 1-41, 25-22552-23		MOD. WG-1324
OBSERVER J. RUSSELL	STATION 16-291	TEST NO. 2	REQ. NO. 0608
DATA UNITS DBUA	AERO-SPACE DIVISION BOEING AIRPLANE COMPANY SEATTLE 24, WASH.		T2-2736
DATE 11/20/61		SECTION II	PAGE 93

APPENDIX III

Plotted Test Data

Interference	Frequency	Mode	Jack and Pin	Before & After Suppression Graph Page
Radiated Ambient	0.15-1000 MC	----	---	95
Radiated		1	---	96
↕	↕	2 & 6	---	97
		3	---	98
		4	---	99
		5	---	100
Radiated	.015-1000 MC	7	---	101
Conducted Ambient	30 cps-25 MC	----	09 1,2,3,&4	102, 106
Conducted		1	09 1	102, 104 -- 107
↕	↕	2	09 1	102, 104 -- 108
		3	09 1	102, 104 -- 109
		4	09 1	102, 104 -- 110
		8	09 1	102, 104 -- 111
		1	09 2	102, 104 -- 112
		2	09 2	102, 104 -- 113
		3	09 2	102, 104 -- 114
		4	09 2	102, 104 -- 115
		8	09 2	102, 104 -- 116
		1	09 3	102, 104 -- 117
		2	09 3	102, 104 -- 118
		3	09 3	102, 104 -- 119
		4	09 3	102, 104 -- 120
		8	09 3	103, 104 -- 121
		1	09 4	103, 104 -- 122
		2	09 4	103, 104 -- 123
		2	08 5	103, 104 -- 124
		5	08 5	103, 104 -- 125
		2	01 20	103, 104 -- 126
		2	01 19	103, 105 -- 127
		2	03 3	103, 105 -- 128
		6	01 5	103, 105 -- 129
Conducted	30 cps-.25 MC	7	05 4	103, 105 -- 130



BROADBAND AND PULSED CW RADIATED DATA

POWER LINE
MODE 1
TRANSIENT
STEADY STATE
PEAK READINGS
BEFORE SUPPRESSION
AFTER SUPPRESSION
REFERENCE LINE
FREQUENCY MC
BROADBAND AND PULSED CW RADIATED Data
Indicates that energy at the frequency is equal to or less than threshold of sensitivity level

POWER LINE
MODE 246
TRANSIENT
STEADY STATE
PEAK READING
BEFORE SUPPRESSION
AFTER SUPPRESSION
FREQUENCY KC
BROADBAND AND PULSED CW RADIATED Data

BROADBAND AND PULSED CW RADIATED Data

POWER LINE
MODE 4
TRANSIENT
STEADY STATE
PEAK READING
BEFORE SUPPRESSION
AFTER SUPPRESSION
FREQUENCY KC
BROADBAND AND PULSED CW RADIATED Data

POWER LINE
MODE 5
TRANSIENT
STEADY STATE
PEAK READINGS
BEFORE SUPPRESSION
AFTER SUPPRESSION
FREQUENCY, MC
Interference that Transients Interference Level is above Equipment susceptibility Level.
Steady State Interference Level.
Interference due to Transients Equipment susceptibility Level.
BROADBAND AND PULSED CW RADIATED Data

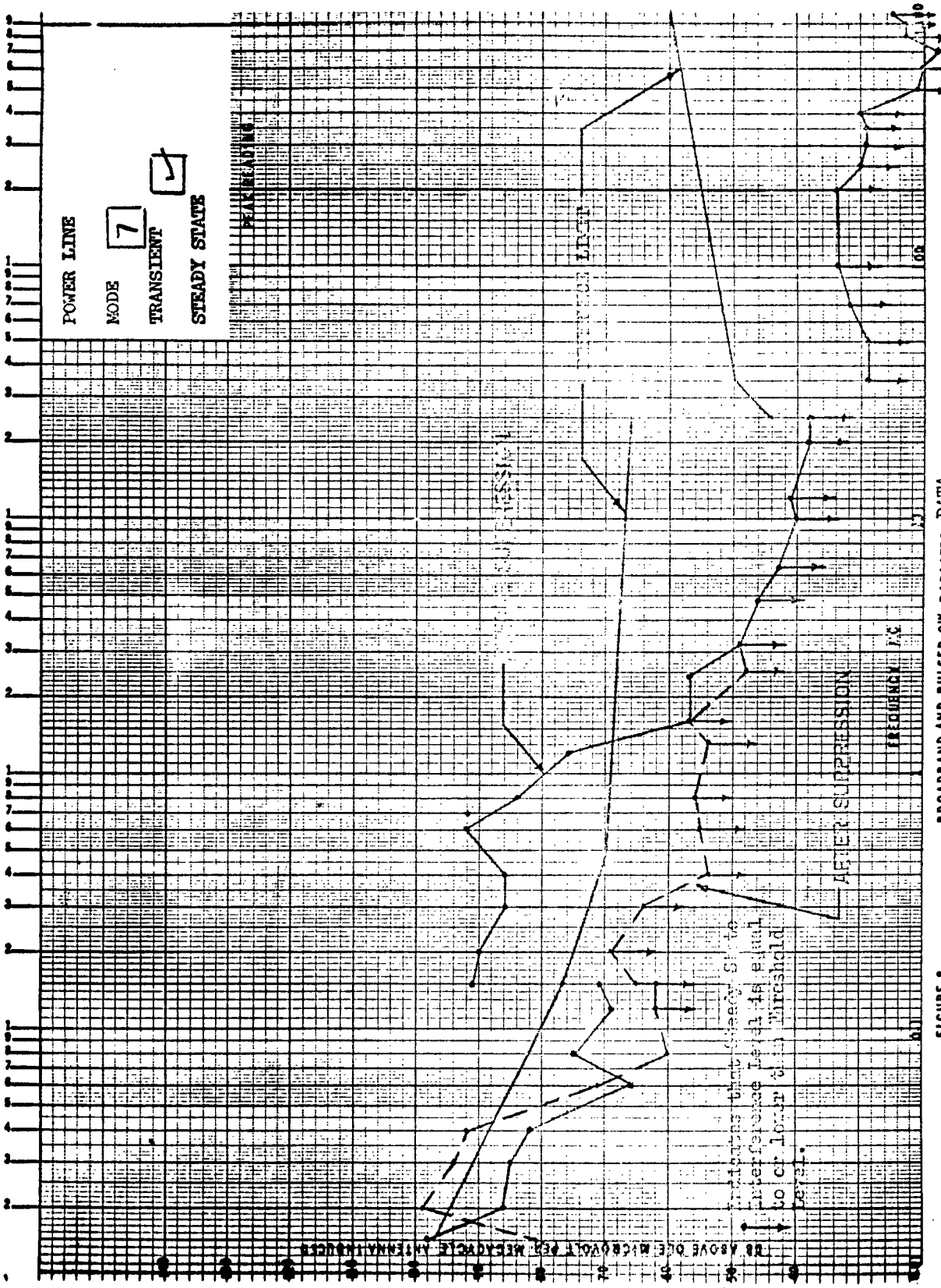


FIGURE 8 BROADBAND AND PULSED CW RADIATED DATA

BROADBAND & PULSED CW CONDUCTED DATA USING CURRENT PROBE

30 CPS to 15 KC

Type: Transient (T), Steady-State (S), Ambient (A), Threshold (TH)

BEFORE SUPPRESSION

Data on Page:

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BOEING

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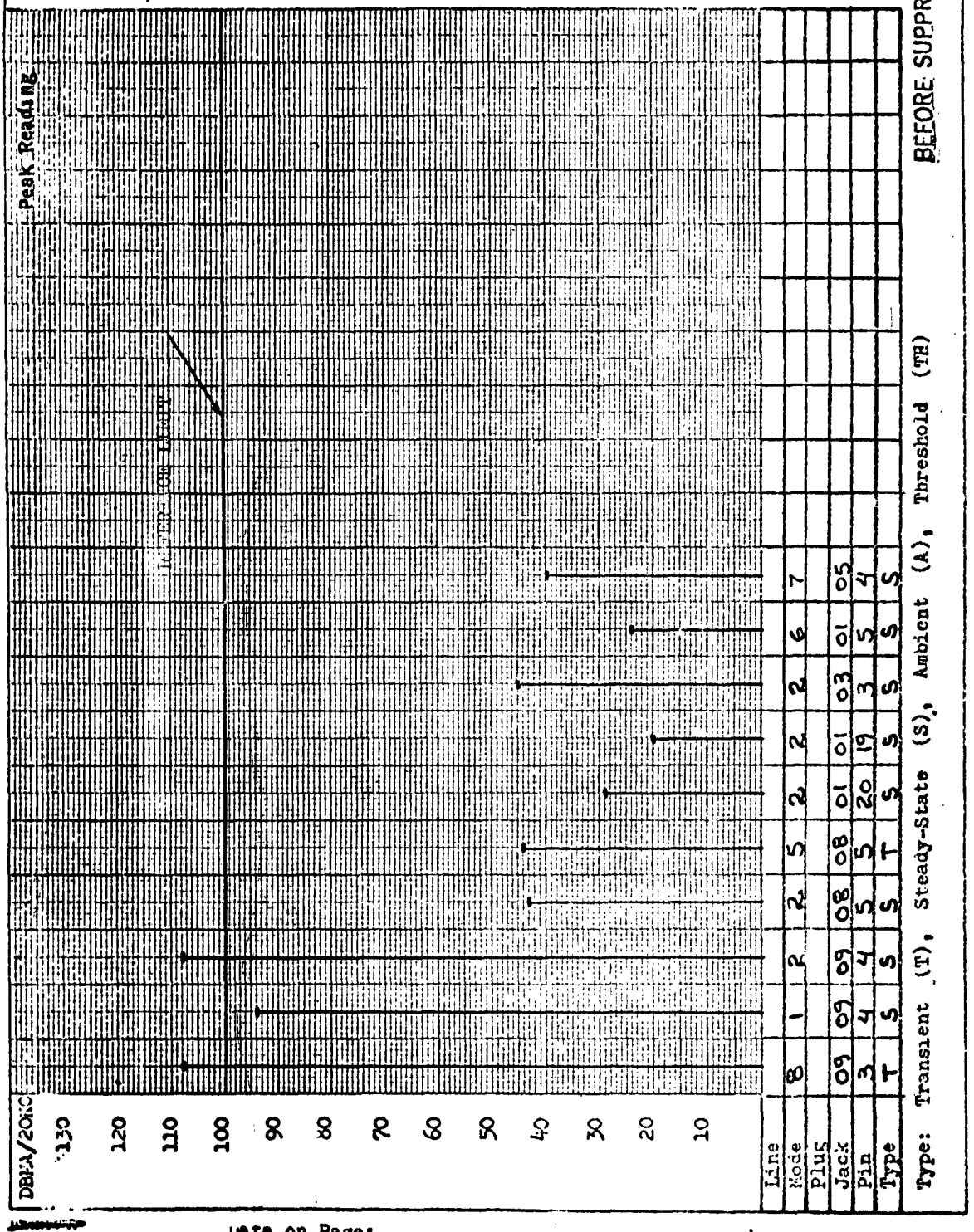
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VOL 1

R

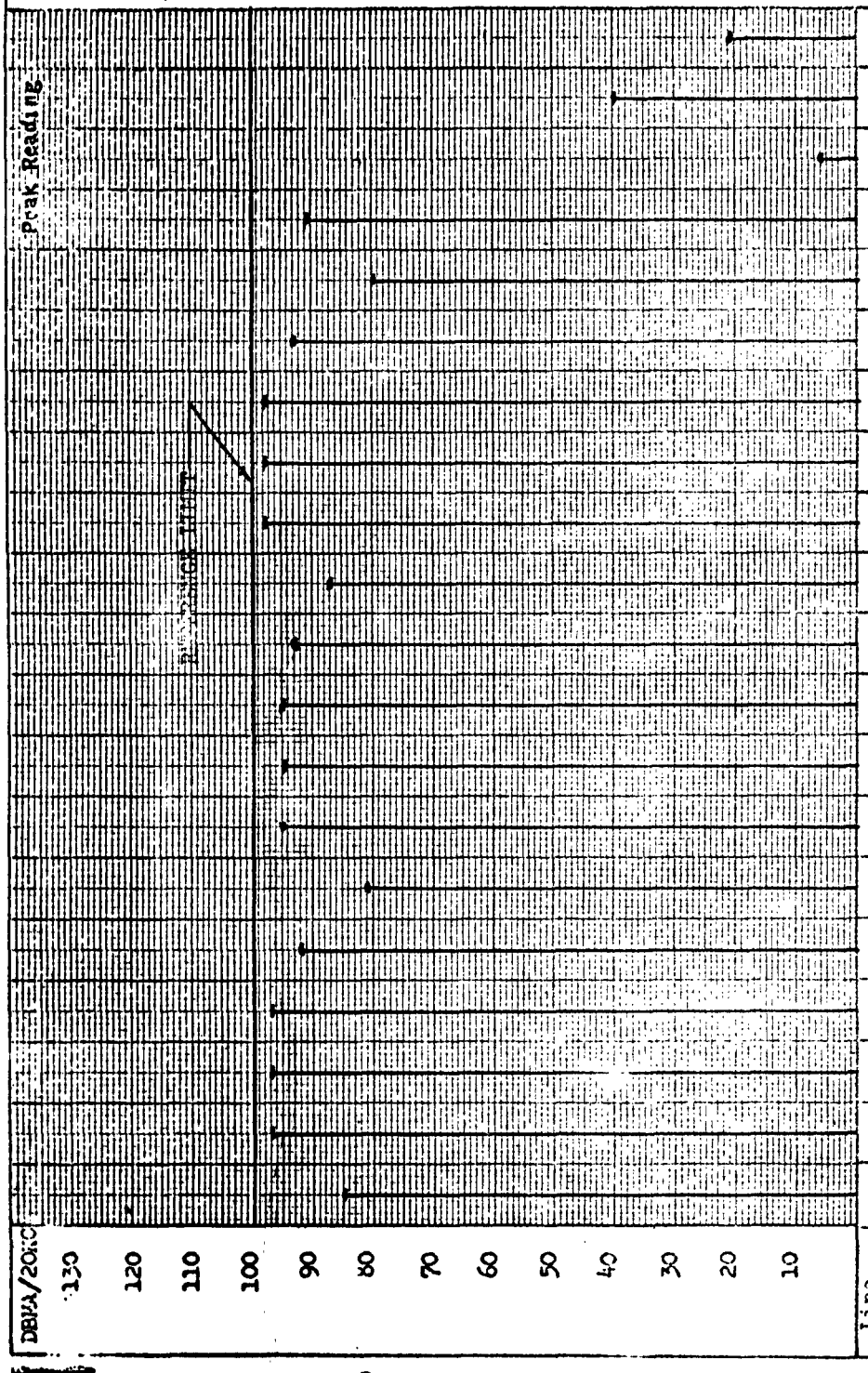
BROADBAND & PULSED CW CONDUCTED DATA USING CURRENT PROBE

30 CPS to 15 KC


Peak Reading
DBUA/20dB
130
120
110
100
90
80
70
60
50
40
30
20
10
Line
Mode
Plug
Jack
Pin
Type
8 1 2 2 5 2 2 2

BROADBAND & PULSED CW CONDUCTED DATA USING CURRENT PROBE

30 CPS to 15 KC



Data on Page:

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2-5437-10

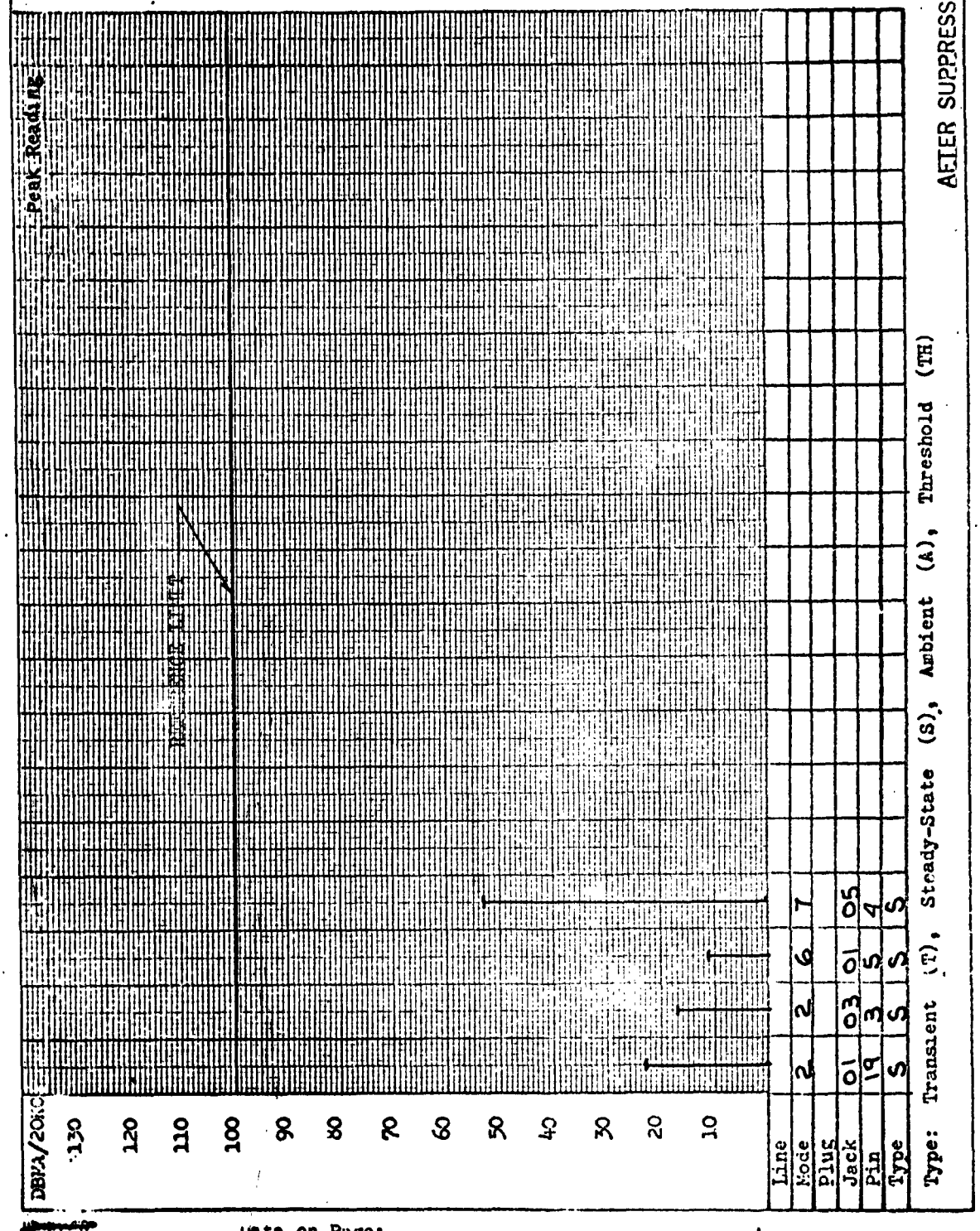
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VOL IV R

BROADBAND & PULSED CW CONDUCTED DATA USING CURRENT PROBE

30 CPS. to 15 KC



Data on Page:

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VOL 1 R

UNIT #1 SER # 0002

TEST POINT J09 PINS 1,2,3 & 9

TEST NUMBER 2

TRANSIENT ☐ ☑

STEADY STATE ☐ AMBIENT

FAI READING

BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

FREQUENCY

DB ABOVE ONE MICRO AMPERE/CYCLE AT METER INPUT

Indicates that ambient level is equal to or less than threshold of sensitivity level.

SPECIFICATION

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SPECIFICATION

APR 8 1963

U3 4000 9248 ORIG. 1/61

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SECTION II

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VOL 4

MODE 3 POWER LINE
JACK 09 TRANSIENT
PLUG STEADY STATE
PIN 1
BEFORE SUPPRESSION
REFERENCE LIMIT
AFTER SUPPRESSION
FREQUENCY MC
DB ABOVE ONE MICROAMP PER MEGACYCLE AT METER INPUT
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

POWER LINE
TRANSIENT
STEADY STATE
MODE 4
JACK 09
PLUG
PIN 1
BEFORE SUPPRESSION
REFERENCE LIMIT
AFTER SUPPRESSION
Indicates that Transient Interference Level equal to or lower than Steady State Interference Level
DB ABOVE ONE MICRO AMP PER MEGACYCLE AT METER INPUT
FREQUENCY
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

SPECIFICATION

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U3 4000 5246 ORIG. 1/61

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POWER LINE
TRANSIENT
STEADY STATE
MODE
JACK
PLUG
PIN
1
09
2
REFERENCE LIMIT
BEFORE SUPPRESSION
AFTER SUPPRESSION
Indicates that Steady State Interference Level is equal to or Lower than Threshold of Sensitivity Level
DB ABOVE ONE MICRO AMP PER MEGACYCLE AT METER INPUT
FREQUENCY
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

POWER LINE
TRANSIENT
STEADY STATE
MODE 2
JACK 09
PLUG
PIN 2
MEAN READING
BEFORE SUPPRESSION
AFTER SUPPRESSION
INTERFERENCE LIMIT
FREQUENCY MC
DB ABOVE ONE MICRO AMPERE/MEGACYCLE AT METER INPUT
Indicates that Steady State Interference Level is equal to or lower than Threshold Sensitivity Level.
BROADBAND AND PULSED CW CONDUCTED data USING CURRENT PROBE

UNIT # 1 SER # 0002
TEST POINT J09 PIN 2
TEST NUMBER 2
TRANSIENT ☑ MODE 3
STEADY STATE ☐
BEFORE SUPPRESSION
REFERENCE LEVEL
AFTER SUPPRESSION
FREQUENCY
DB ABOVE ONE MICRO AMPERE AT METER INPUT
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

SPECIFICATION

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POWER LINE
TRANSIENT
STEADY STATE
MODE
JACK
PLUG
PIN
8
09
2
BEFORE SUPPRESSION
AFTER SUPPRESSION
REFERENCE LEVEL
Indicates that Transient Interference Level is equal to or lower than Steady State Interference Level.
FREQUENCY
DB ABOVE ONE MICROAMP PER MEGACYCLE AT METER INPUT
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

POWER LINE
TRANSIENT
STEADY STATE
MODE
JACK
PLUG
PIN
1
09
3
BEFORE SUPPRESSION
AFTER SUPPRESSION
REFERENCES LEFT
Indicates that Steady State Interference Level is equal to or lower than Threshold of Sensitivity Level
FREQUENCY
DB ABOVE ONE MICRO AMPERE PER MEGACYCLE AT METER INPUT
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

POWER LINE
TRANSIENT
STEADY STATE
MODE
JACK
PLUG
PIN
PEAK READING
BEFORE SUPPRESSION
RECEIVER LIMIT
AFTER SUPPRESSION
Threshold that Steady State Interference Level is equal to or later than Threshold of Sensitivity Level.
FREQUENCY
DB ABOVE ONE MICRO AMP PER MEGACYCLE AT METER INPUT
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

POWER LINE
TRANSIENT
STEADY STATE
MODE 3
JACK 09
PLUG
PIN 3
PER READING
BEFORE SUPPRESSION
AFTER SUPPRESSION
REFERENCE LIMIT
FREQUENCY MC
DB ABOVE ONE MICROAMP PER MEGACYCLE AT METER INPUT
Indicates that Transient Interference Level is equal to or lower than Steady State Interference Level
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

POWER LINE
TRANSIENT
STEADY STATE
MODE
JACK
PLUG
PIN
4
09
3
BEFORE SUPPRESSION
REFERENCE LIMIT
AFTER SUPPRESSION
Indicates that Transient Interference Level is equal to or lower than Steady State Interference Level
DB ABOVE ONE MICRO AMPERE/CYCLE AT METER INPUT
FREQUENCY
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

MODE
JACK
PLUG
PIN
8
09
3
POWER LINE
TRANSIENT
STEADY STATE
BEFORE SUPPRESSION
AFTER SUPPRESSION
REFERENCE LEVEL
Indicates that Transient Interference Level is equal to or lower than Steady State Interference Level
FREQUENCY
DB ABOVE ONE MICRO
PER MEGACYCLE AT METER INPUT
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

POWER LINE
TRANSIENT
STEADY STATE
MODE 1
JACK 09
PLUG
PIN 4
BEFORE SUPPRESSION
REFERENCE LIMIT
AFTER SUPPRESSION
Indicates that Steady State Interference Level is equal to or lower than Threshold of Sensitivity Level.
FREQUENCY
dB ABOVE ONE MICRO AMP PER MEGACYCLE AT METER INPUT
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

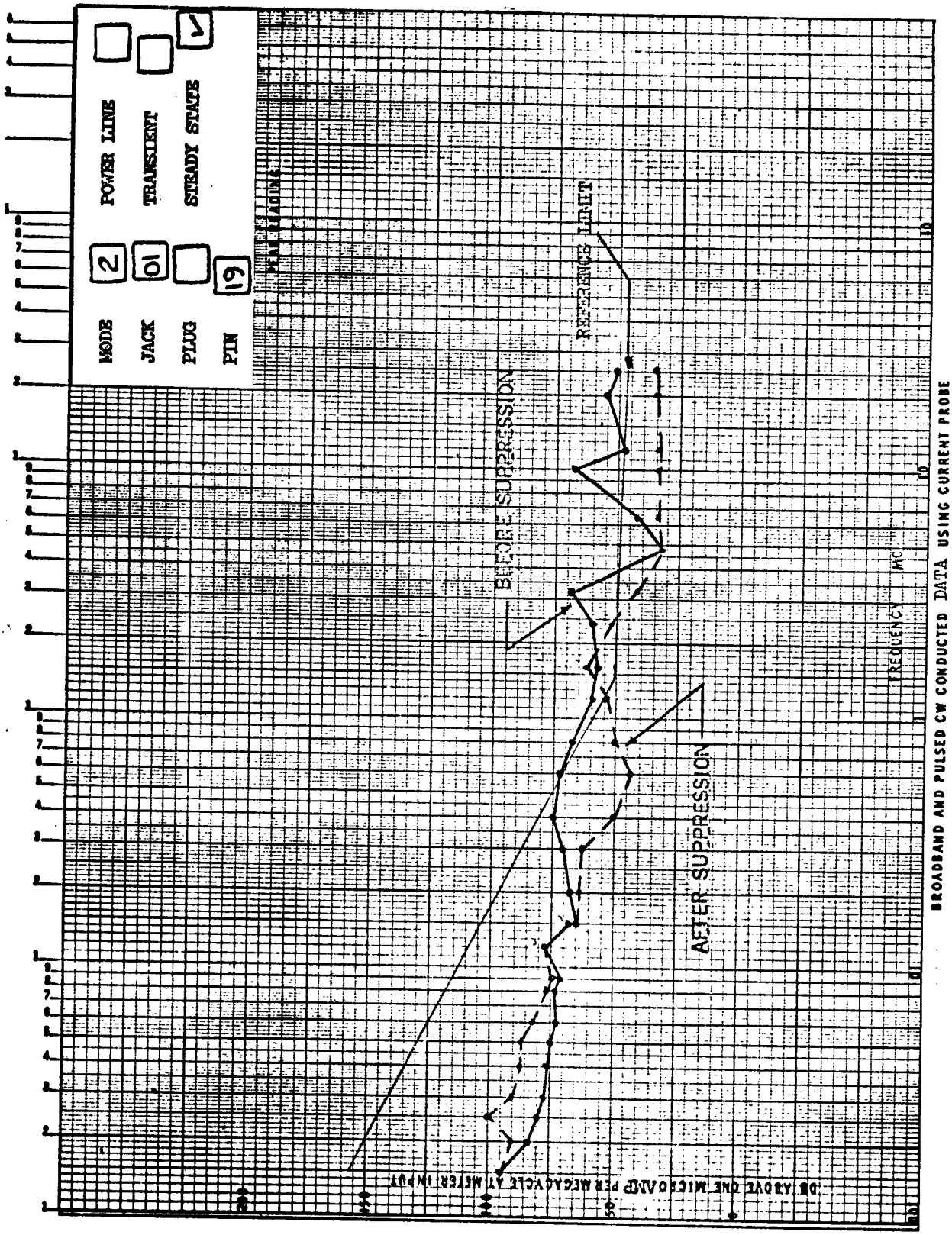
POWER LINE
TRANSIENT
STEADY STATE
MODE
JACK
PLUG
PIN
2
09
4
REAR READING
BEFORE SUPPRESSION
AFTER SUPPRESSION
REFERENCE LIMIT
Indicates that Steady State Interference level is equal to or lower than Threshold of Sensitivity Level.
DB ABOVE ONE MICRO AMPERE PER MEGACYCLE AT METER INPUT
FREQUENCY MC
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

MODE 2
JACK 08
PLUG
PIN 5
POWER LINE
TRANSIENT
STEADY STATE ✓
PLOT READING
DB ABOVE ONE MICRO AMP PER MEGACYCLE AT METER INPUT
FREQUENCY MC
BEFORE SUPPRESSION
AFTER SUPPRESSION
Indicates Steady State Interference Level equal to or lower than Threshold of Sensitivity Level.
BROADBAND AND PULSED CW CONDUCTED EMI USING CURRENT PROBE

POWER LINE
TRANSIENT
STEADY STATE
MODE
JACK
PLUG
PIN
5
08
5
FOR READING
BEFORE SUPPRESSION
REFERENCE LIMIT
AFTER SUPPRESSION
FREQUENCY
dB ABOVE ONE MICRO AMP PER MEGACYCLE AT METER INPUT
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

SPECIFICATION

US 4600 9245 ORIG. 1/61


POWER LINE
TRANSIENT
STEADY STATE
MODE 2
JACK 01
PLUG
PIN 19
PEAK READING
REFERENCE LIMIT
BEFORE SUPPRESSION
AFTER SUPPRESSION
FREQUENCY MC
DB ABOVE ONE MICROAMP PER MEGACYCLE AT METER INPUT
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

SPECIFICATION _____

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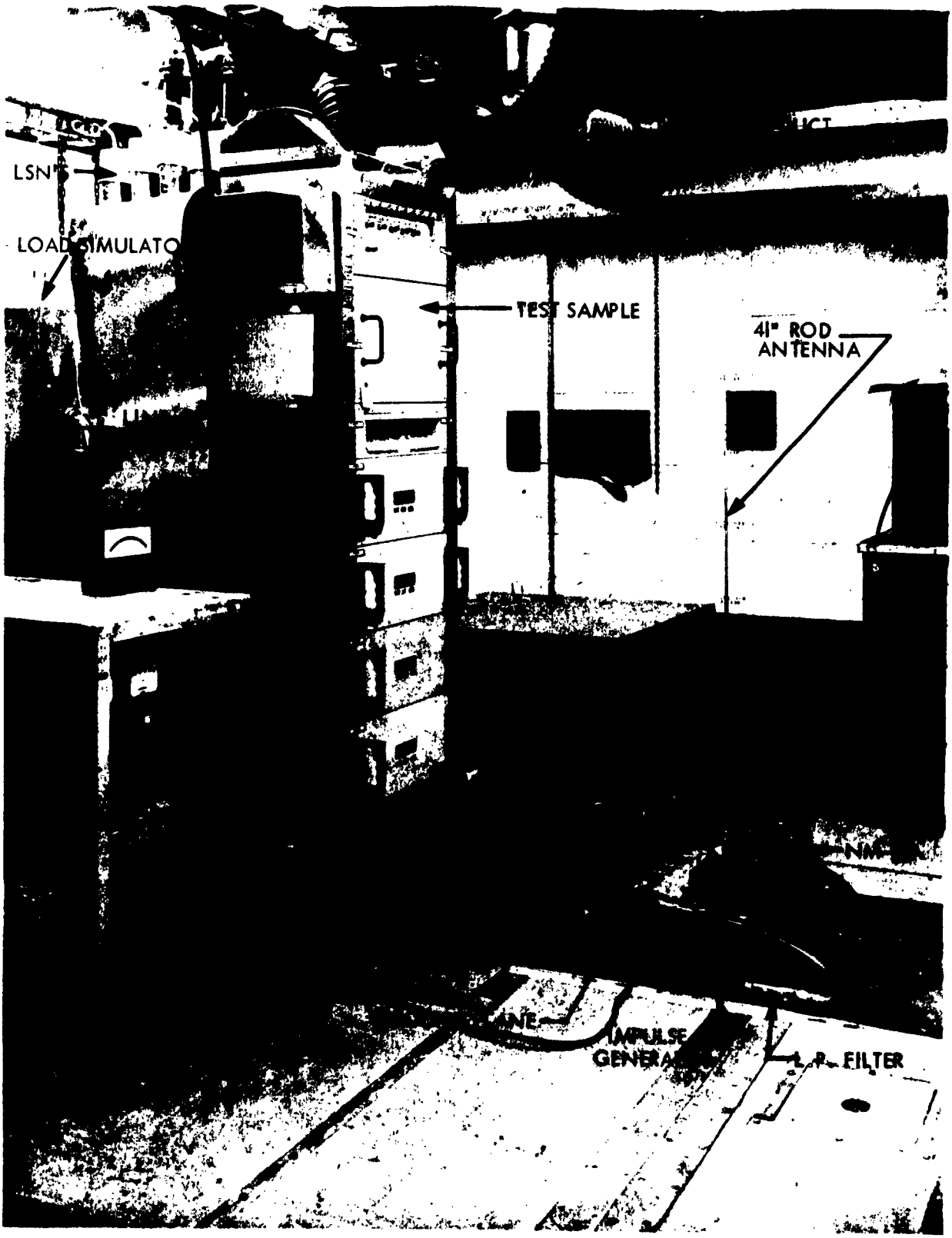
VOL I

POWER LINE
TRANSIENT
STEADY STATE
MODE 6
JACK 01
PLUG
PIN 5
BEFORE SUPPRESSION
AFTER SUPPRESSION
Indicates that Steady State Interference Level is equal to or Lower than Threshold Sensitivity Level
FREQUENCY, MC
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

POWER LINE
TRANSIENT
STEADY STATE
MODE 7
JACK 05
PLUG
PIN 4
PEAK READING
BEFORE SUPPRESSION
Reference Limit
AFTER SUPPRESSION
Indicates that Steady State Interference Level is equal to or lower than Threshold of Sensitivity Level.
DB ABOVE ONE MICRO AMPERE MICROVOLT METER INPUT
FREQUENCY MC
BROADBAND AND PULSED CW CONDUCTED DATA USING CURRENT PROBE

APPENDIX IV

Photographs



RADIATED - ROD ANTENNA

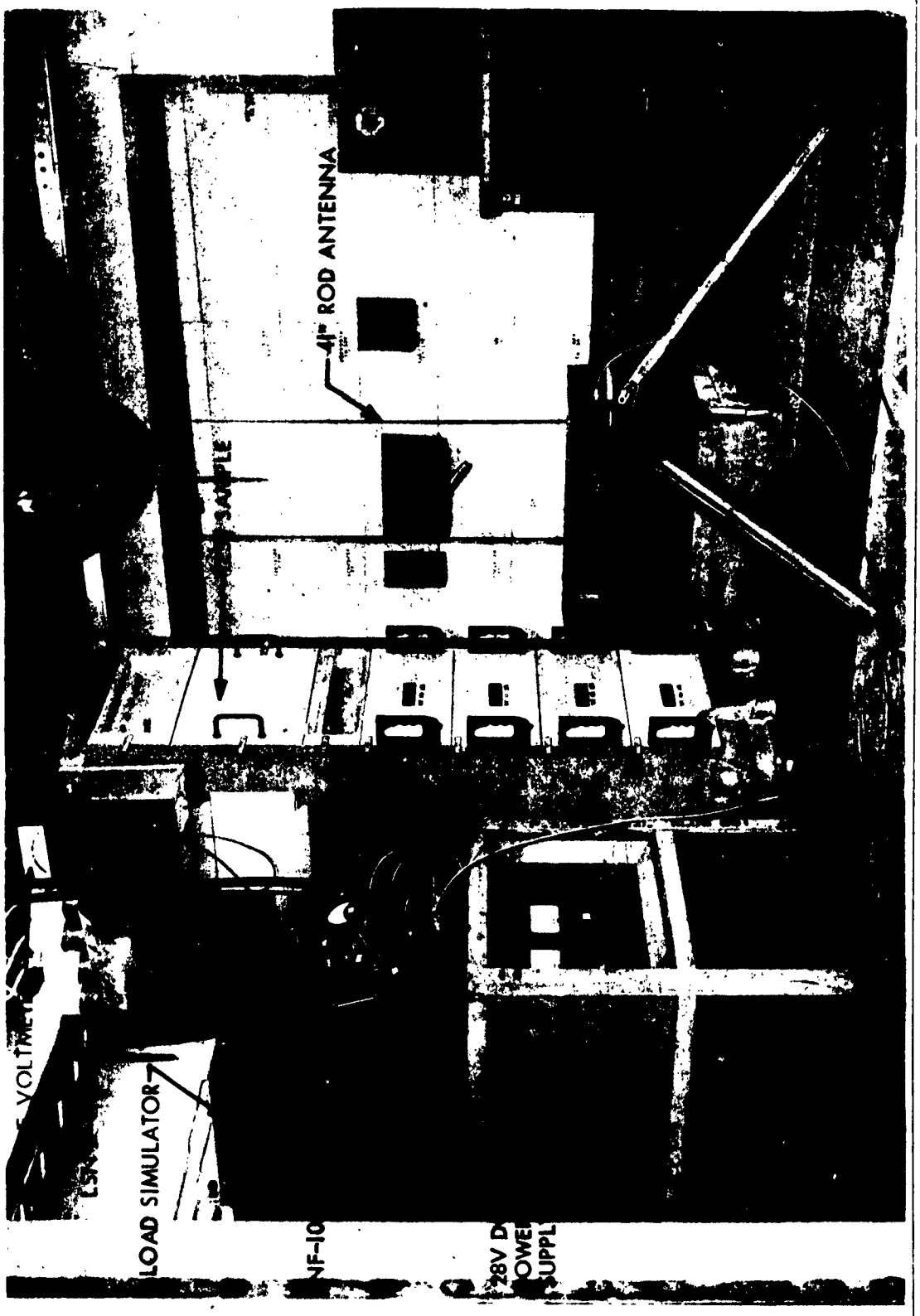
MINUTEMAN - GROUND SUPPORT EQUIP. - FIG. "A" 2A42-23
1284 - POWER SUPPLY RACK #1 TEST 11-6-61

TO-2766

SECTION II
VOL I

Page 132

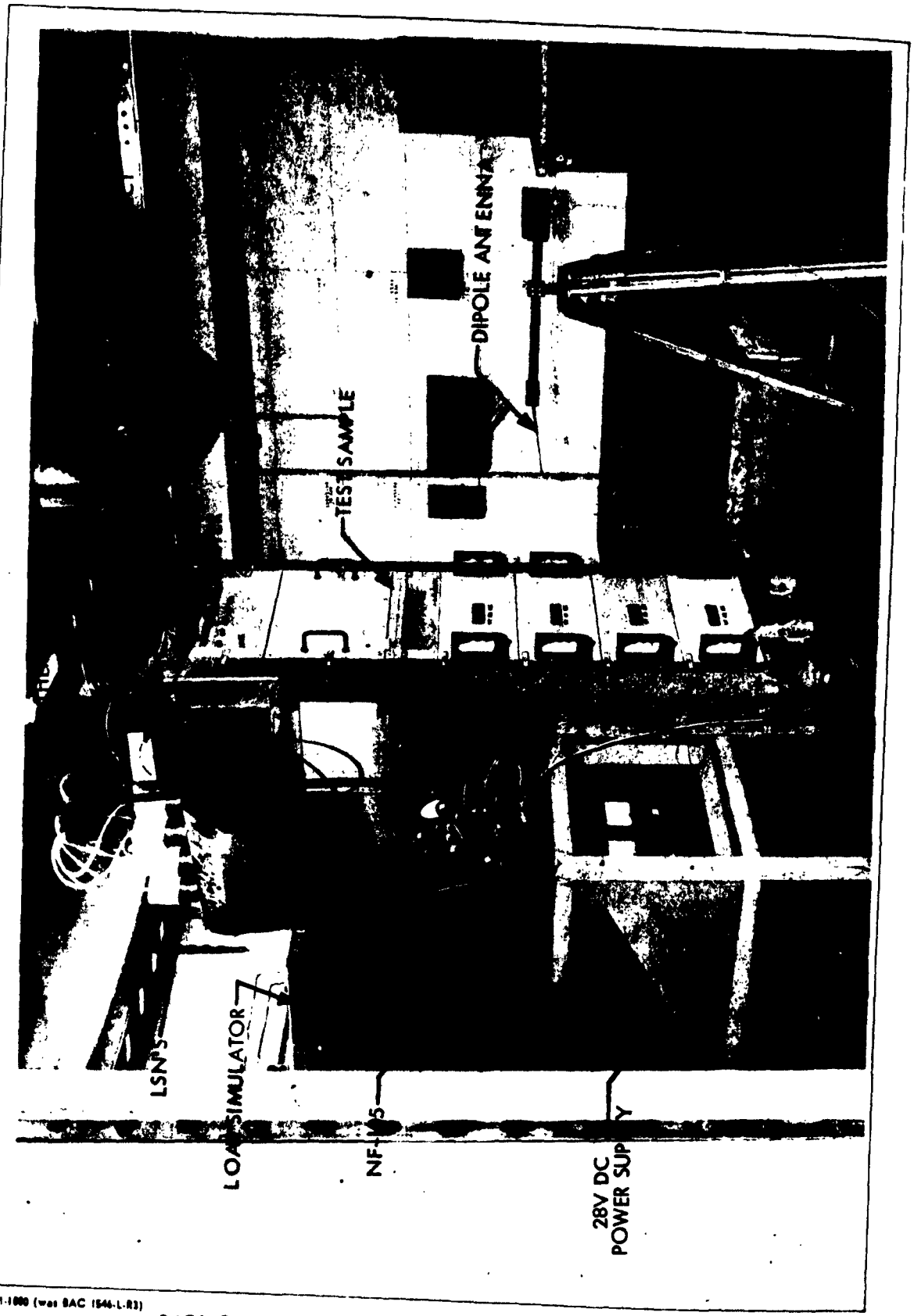
4-8-63



U3-4071-1000 (was BAC 1546-L-R3)

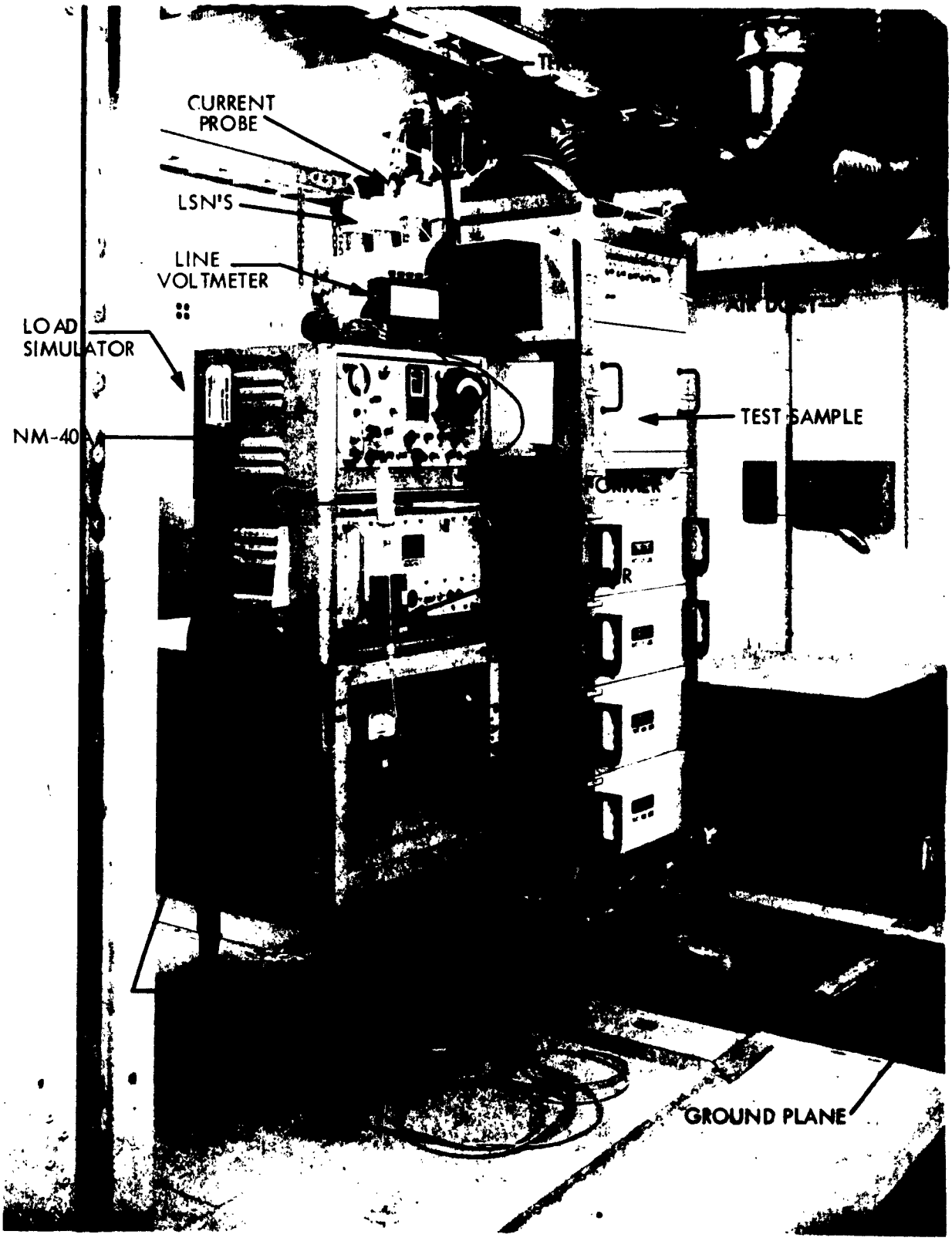
RADIATED - ROD ANTENNA

4-8-63



U3-4071-1000 (was BAC 1546-L-R3)

RADIATED - DIPOLE ANTENNA

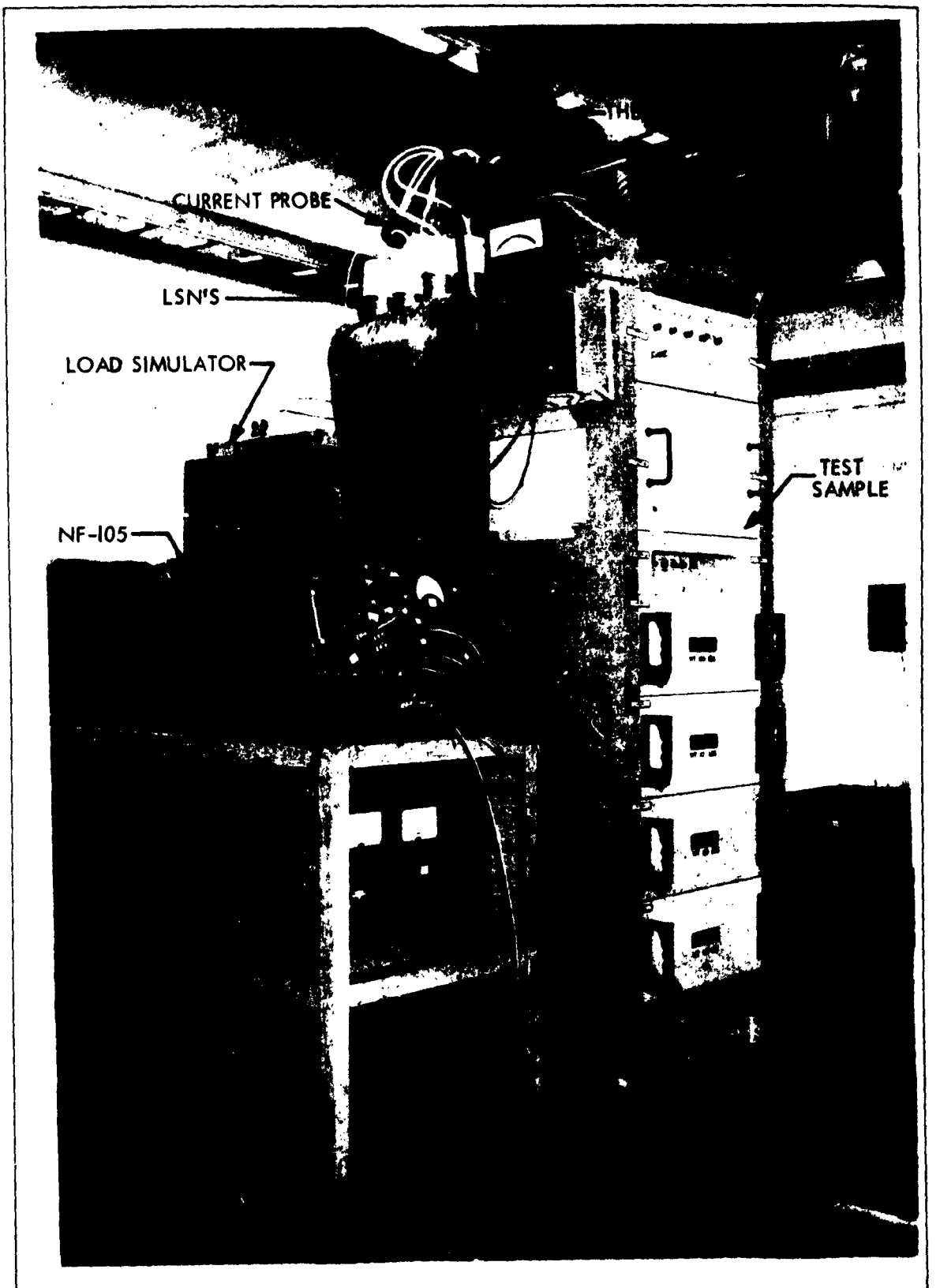


CONDUCTED
30 - 15,000 CPS
4-8-63

NIKE-HERCULES - GROUND SUPPORT EQUIP. - FIG. "A" 2A92-21
120A POWER SUPPLY RACK #1 TEST 11-6-61



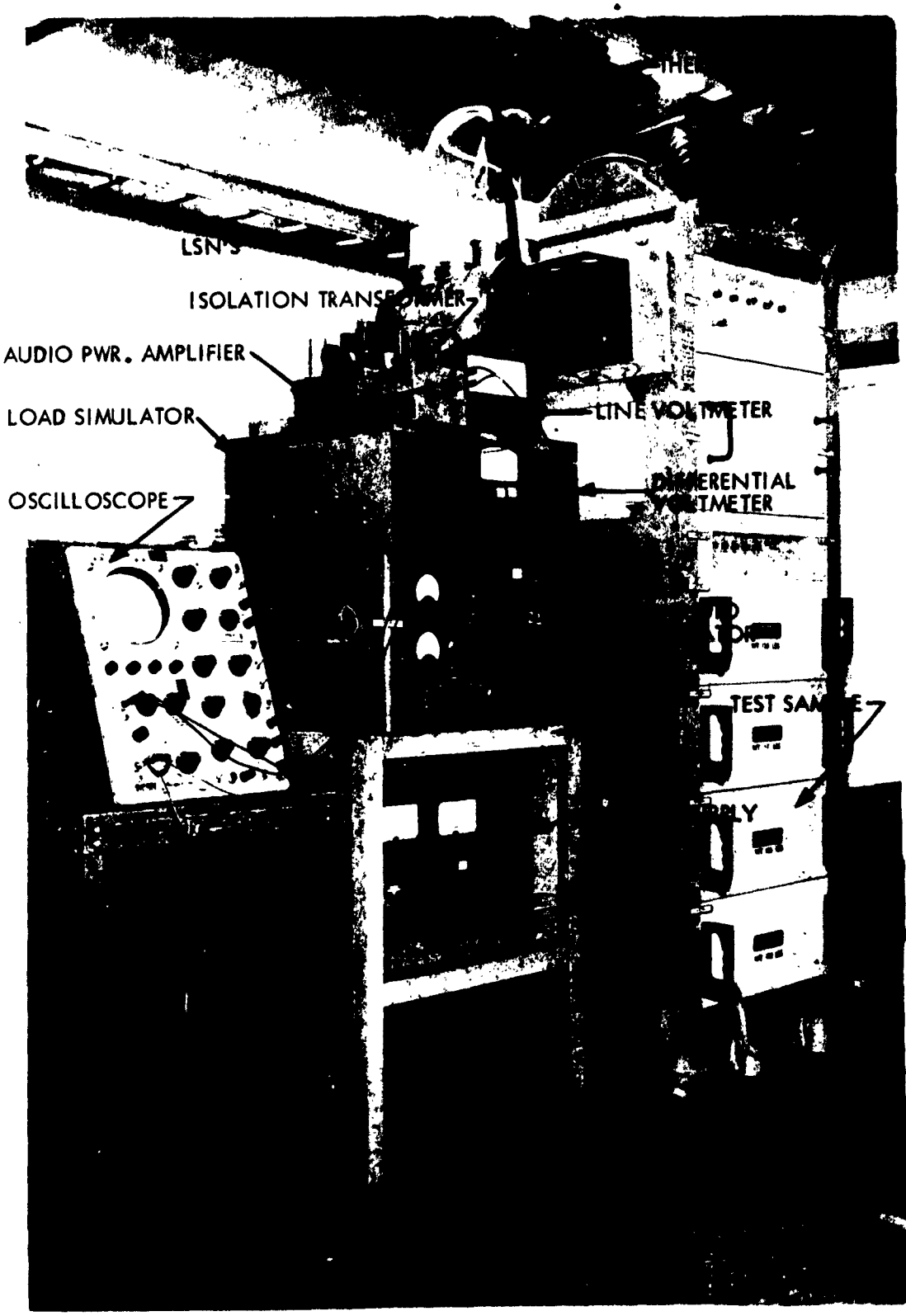
CONDUCTED
15 - 150 KC
8-63

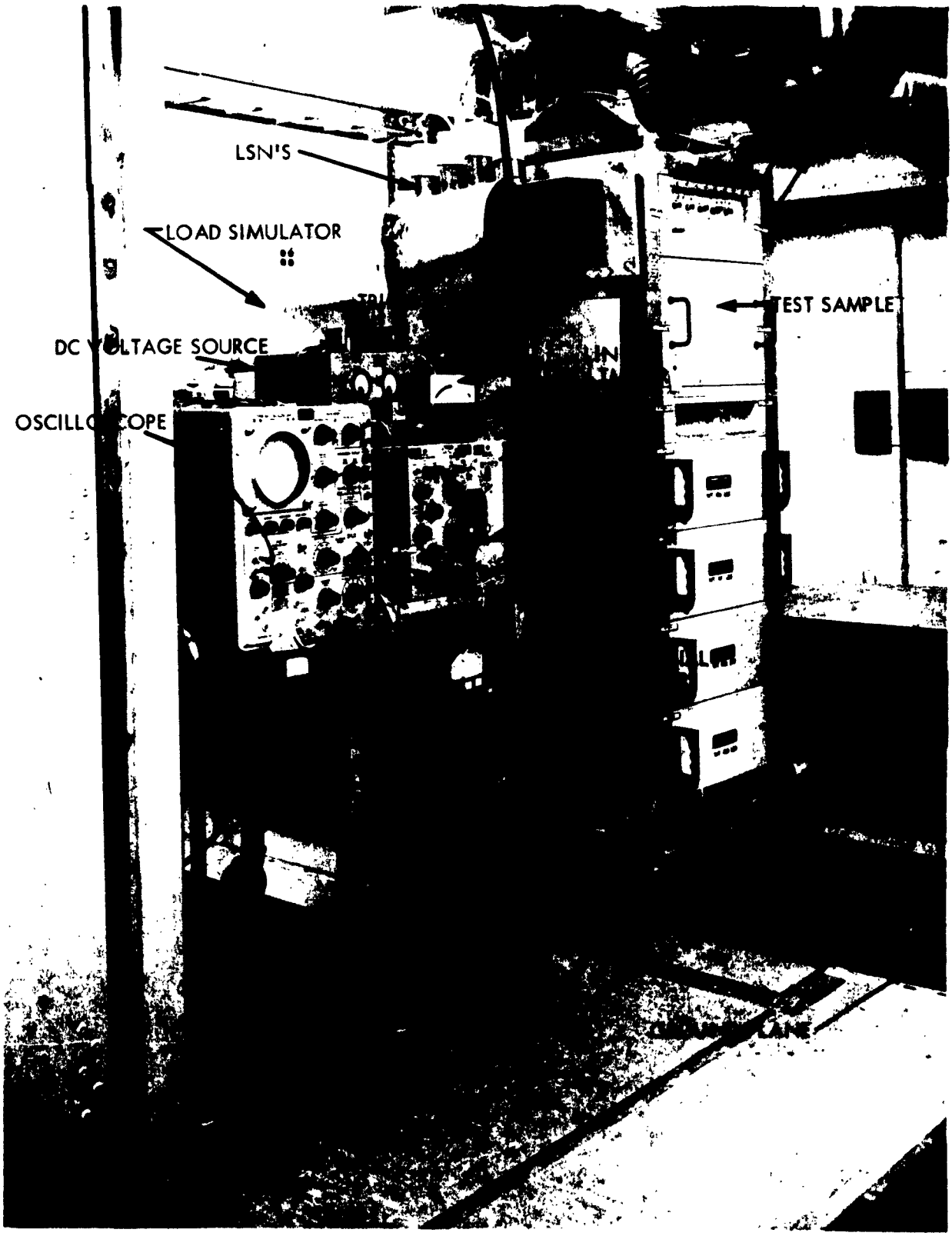


U3-4071-1000 (was BAC 1546-L-R3)

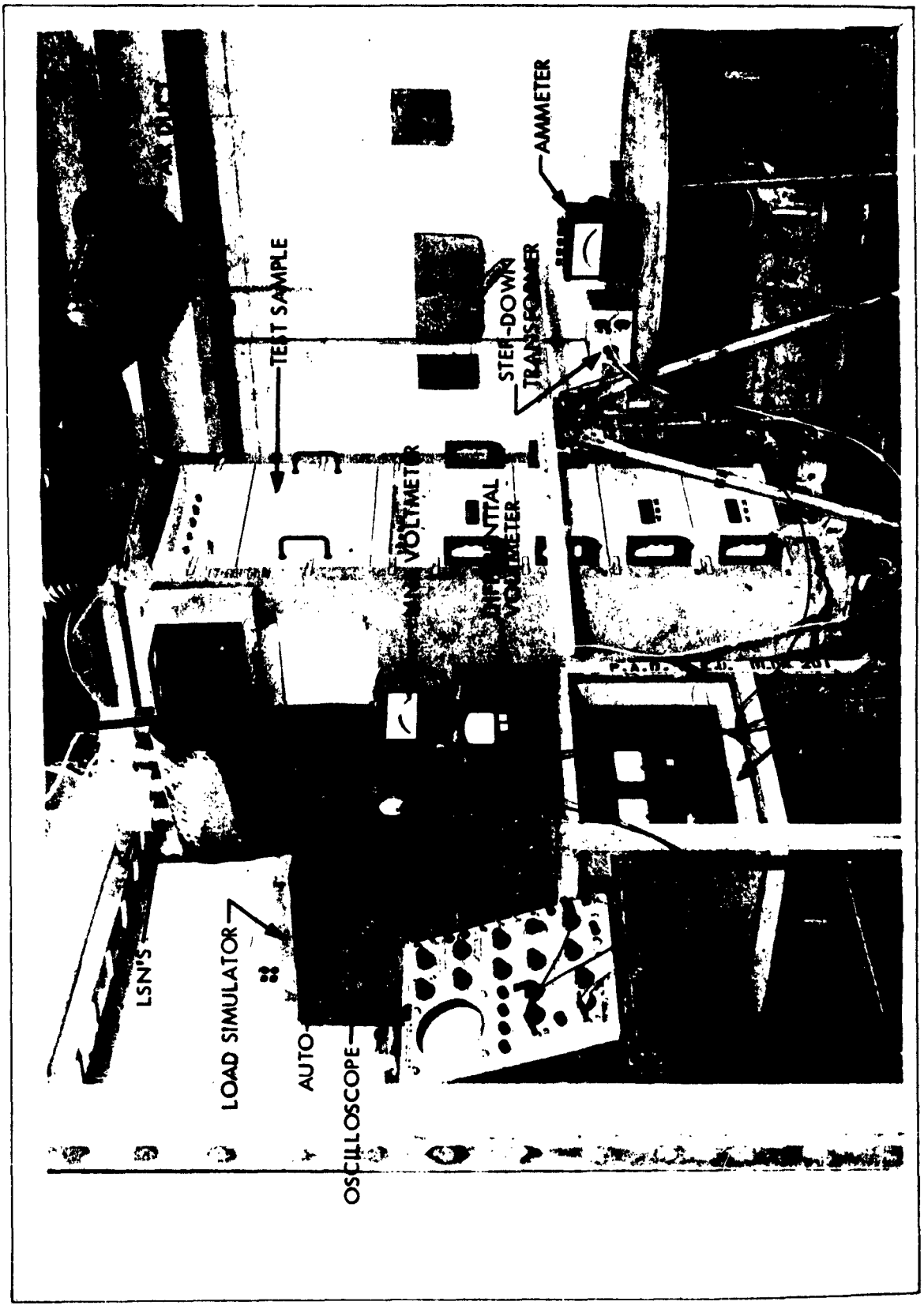
CONDUCTED
0.15 - 25 MC
4-5-63

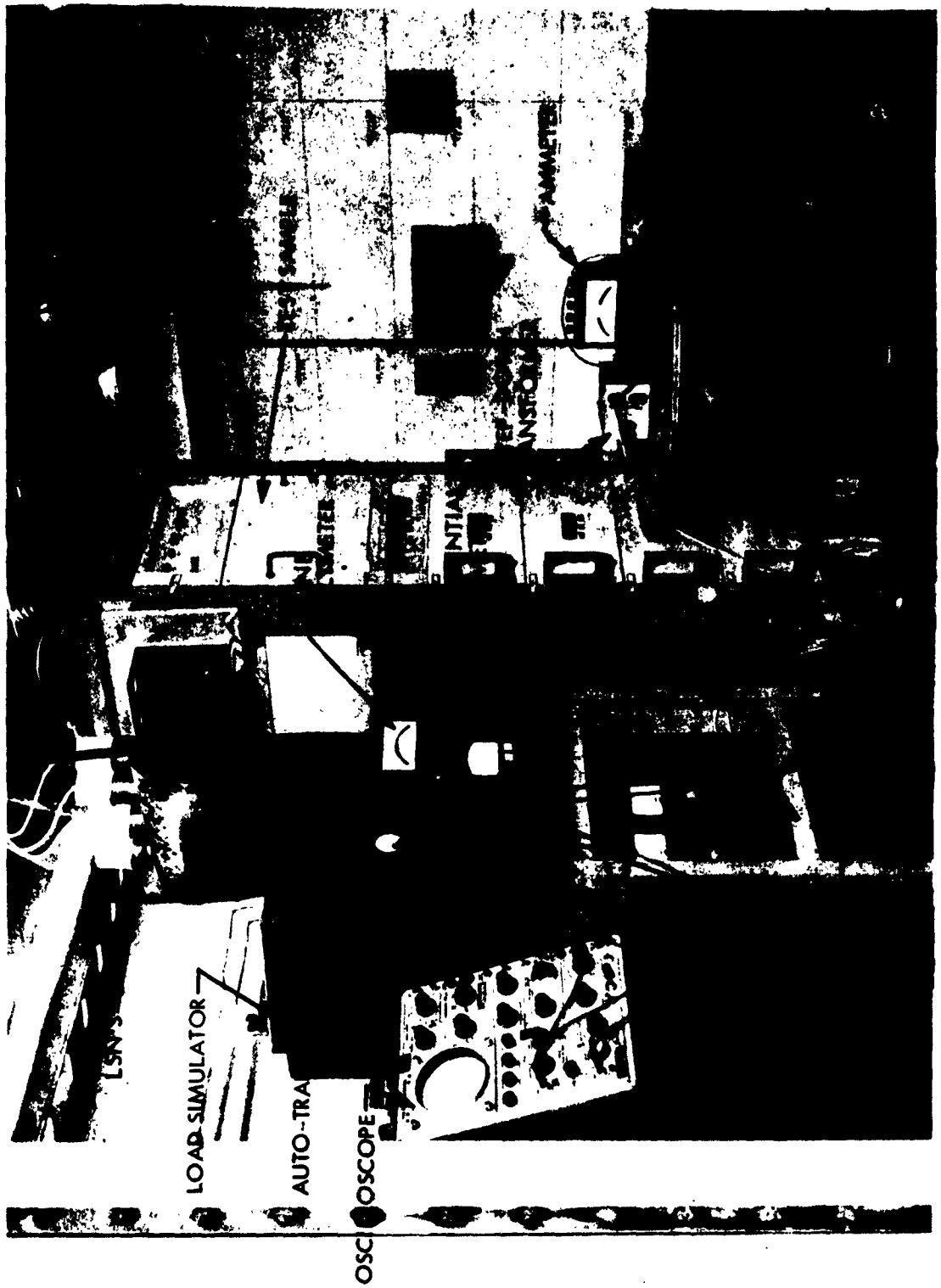
AN POWER SUPPLY #1 1284 REG. "A" 2892492


LSN'S
ISOLATION TRANSFORMER
AUDIO PWR. AMPLIFIER
LOAD SIMULATOR
OSCILLOSCOPE
LINE VOLTMETER
DIFFERENTIAL VOLTMETER
TEST SAMPLE



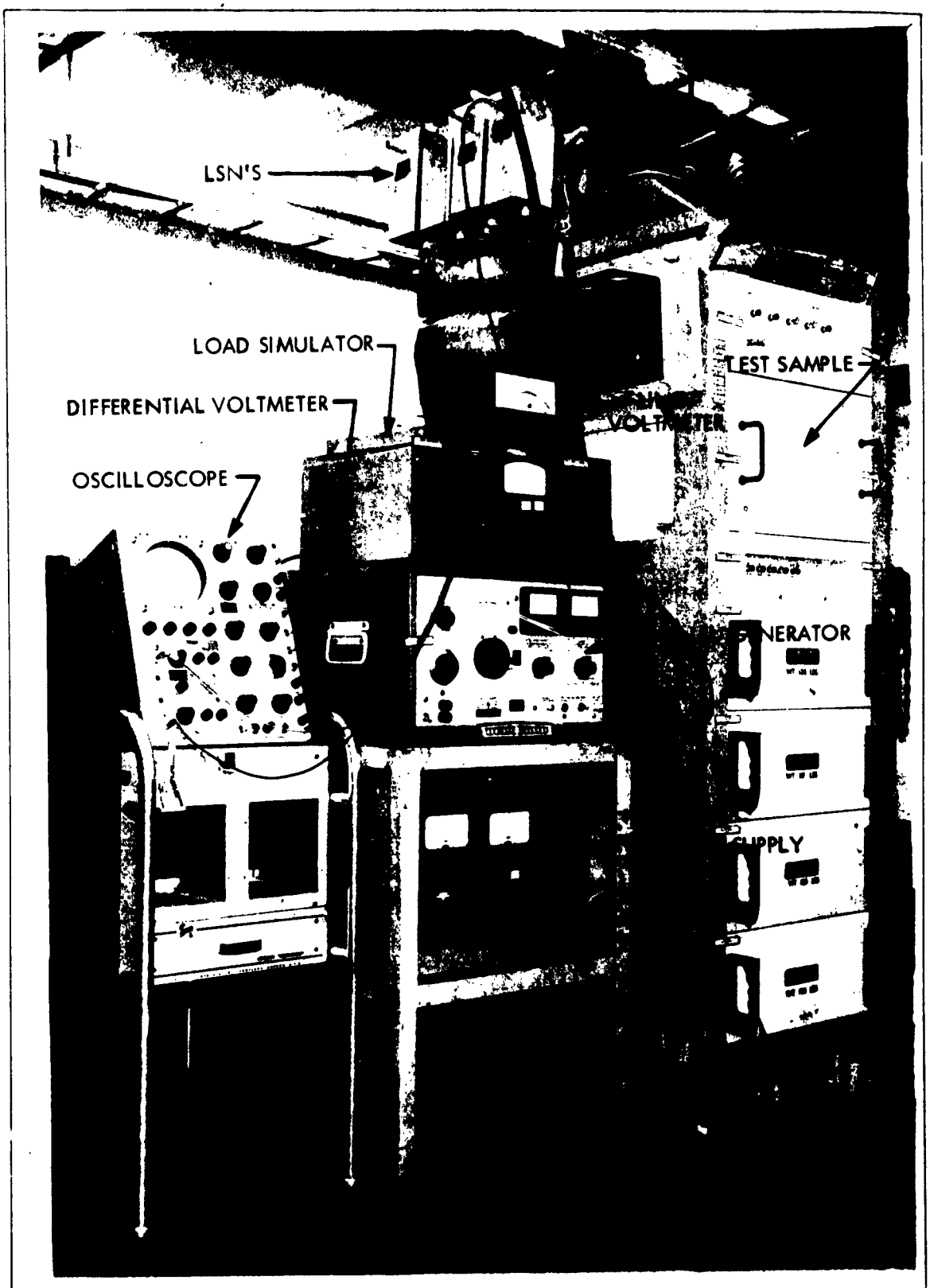
CONDUCTED TRANSIENT SUSCEPTIBILITY


TEST SAMPLE
AMMETER
STEP-DOWN TRANSFORMER
VOLTMETER
VOLTMETER
LSN'S
LOAD SIMULATOR
AUTO
OSCILLOSCOPE



KEB-...AM POWER SUPPLY #1 12kw FIG. "A" 2N92-99
11-8-61

U3-4071-1000 (was BAC 1546-L-R3)


LSN'S
LOAD SIMULATOR
DIFFERENTIAL VOLTMETER
OSCILLOSCOPE
TEST SAMPLE
VOLTMETER
NERATOR
IPPLY

APPENDIX V

Test Equipment and Facilities

FACILITIES

SHIELDED ROOM: 16-201:

TYPE: Double wall-solid-cell type

SIZE: 19.5 feet by 10 feet by 8 feet

MANUFACTURER: Eccoshield RF Shield Chamber No. 170-RM-B by Emerson and Cuming, Boston, Massachusetts. BAC SPEC. PAD-214-3rd. Rev.

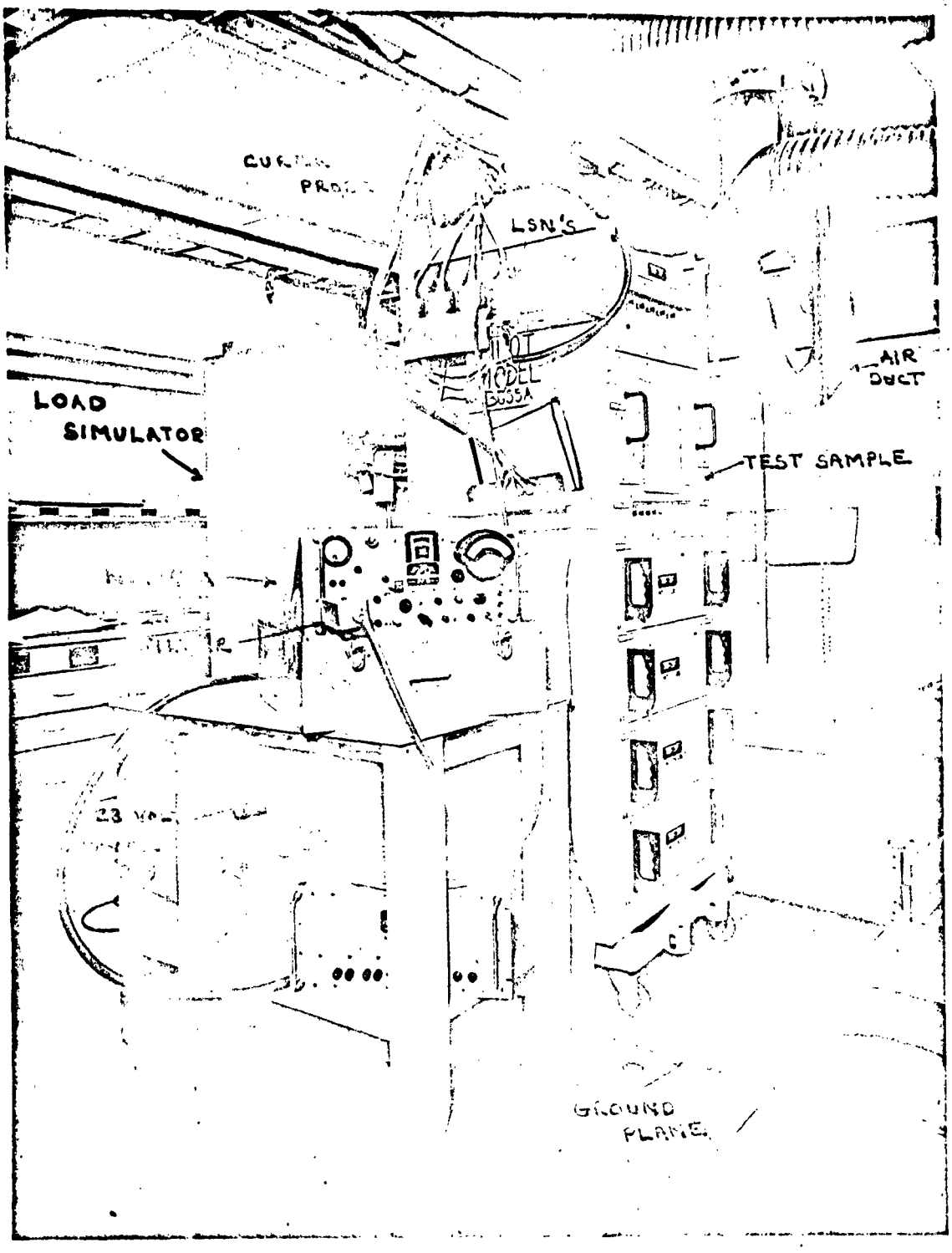
LOCATION: BAC 2.01 Building, Lab. I

TEST EQUIPMENT

ITEM	NOMENCLATURE	MAKE & MODEL		SERIAL NO.	CALIB. From	CALIB. To
	Field Intensity Meter	Empire	NF-105	1894	9/28	12/27
	Field Intensity Meter	Stoddart	NM-10A	169-26	11/13	12/13
	Field Intensity Meter	Stoddart	NM-10A	239-30	10/24	11/21
	Field Intensity Meter	Stoddart	NM-40A	310-4	10/25	11/22
	Current Probe	Stoddart	91550-1	273-95	NA	
	Current Probe	Stoddart	91550-1	277-66	NA	
	Impulse Generator	Empire		446	NA	
	Impulse Generator	Empire		447	NA	
	Attenuator	Kay Electric Co.			8/21	11/14
	Differential Voltmeter	John Fluke	800	866	10/16	11/13
	Differential Voltmeter	John Fluke	800	STE 2575	10/30	11/30
	Voltmeter	Weston	904	1870	10/6	12/7
	Dual Beam Oscilloscope	Tektronix	551	552	10/26	12/27
	Scope Plug-in Unit	Tektronix	D	012731	9/21	11/16
	Scope Plug-in Unit	Tektronix	O	008784	9/19	11/15
	Signal Generator	H. Packard	606A	BAC 189662	10/11	1/10
	Signal Generator	H. Packard	608C	BAC 171352	8/23	11/16
	Signal Generator	H. Packard	612A	BAC 140443	8/16	11/9
	Pulse Generator	Tektronix	162	4300	10/24	12/4
	Pulse Generator	Tektronix	163	2295	10/24	12/4
	Power Supply	Tektronix	160A	3845	7/12	1/4
	Regulated Power Supply			SFC 27297	10/12	11/9
	Oscillator	H. Packard	202B	STE 1269	8/16	11/9
	Amplifier	McIntosh	50-W-2	SFC 40673	6/29	12/20
	Power Supply	McIntosh	50-W-2	SFC 40673-1	6/29	12/20
	2:1 Transformer	BAC		NA	NA	
	Auto Transformer			STE 2661	NA	
	Ammeter	Weston	904	BAC 127496	11/6	1/8

			REVISED	DATE
CALC				
CHECK				
APPD				
APPD				

T2-2786



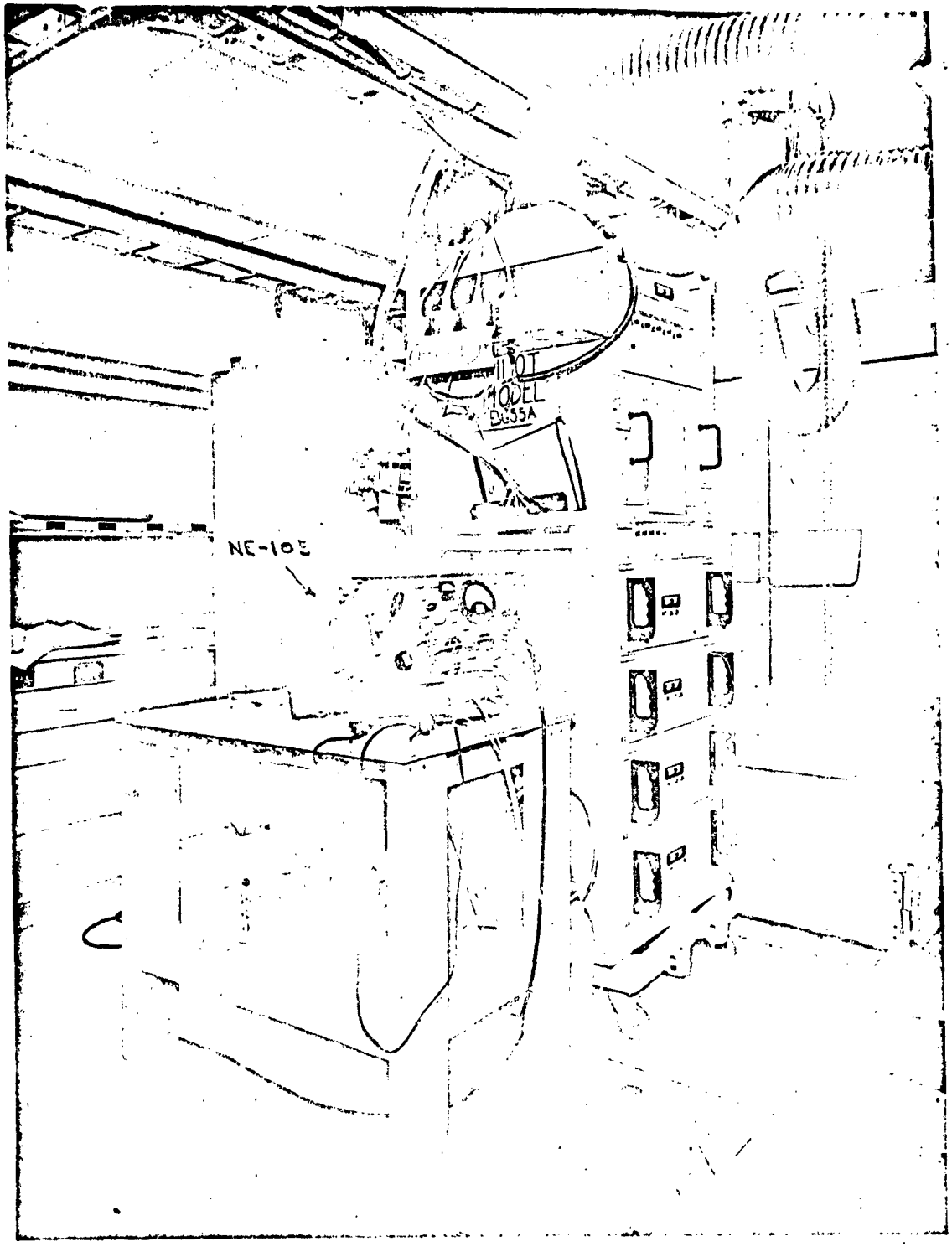
CALC			REVISED	DATE	CONDUCTED INTERFERENCE POWER SUPPLY NUMBER 1
CHECK					
APPD					
APPD					BOEING AIRPLANE COMPANY

T2-2768

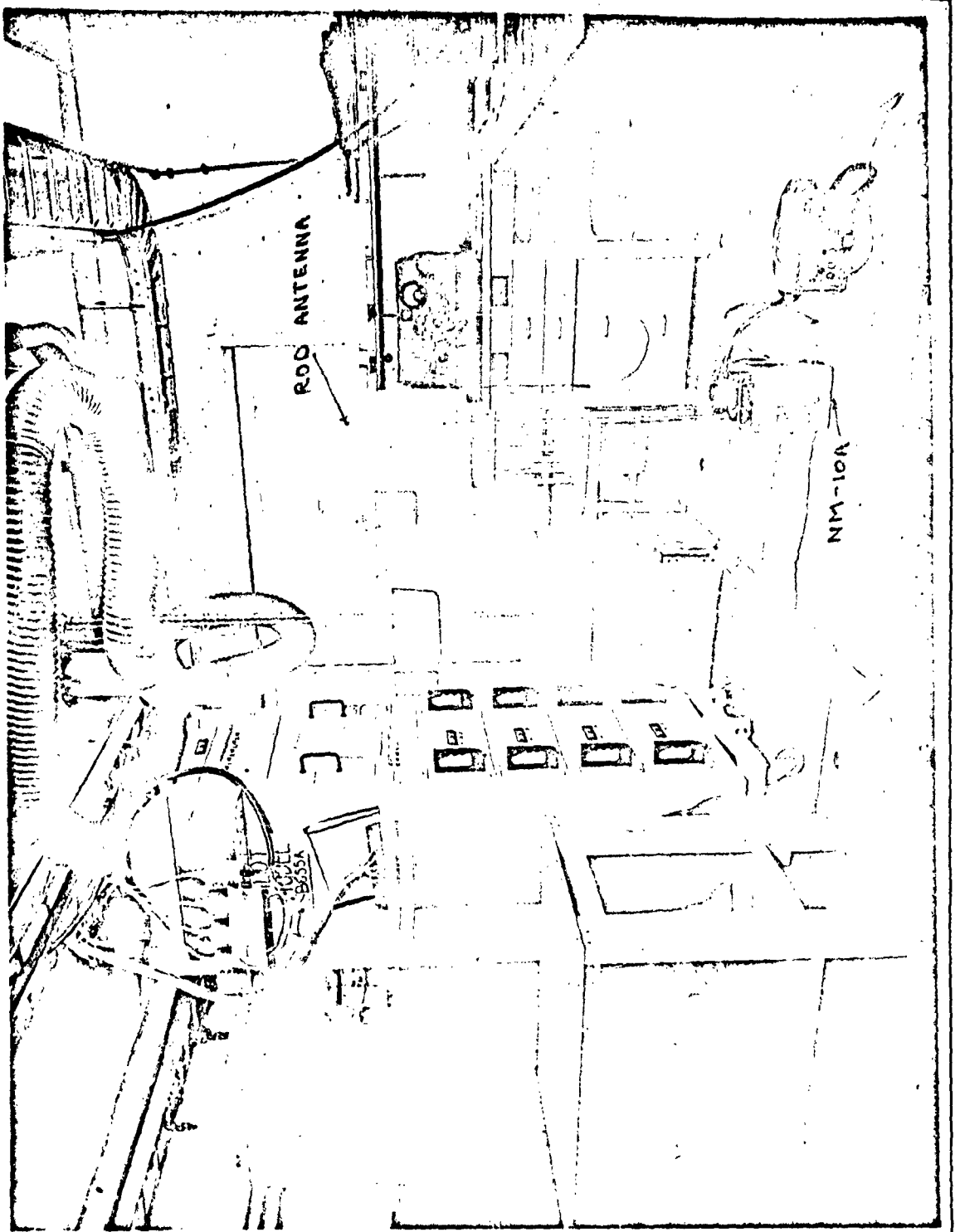
PAGE 142

U3 4036 3000 (WAS BAC 973D-R3)

2-7000



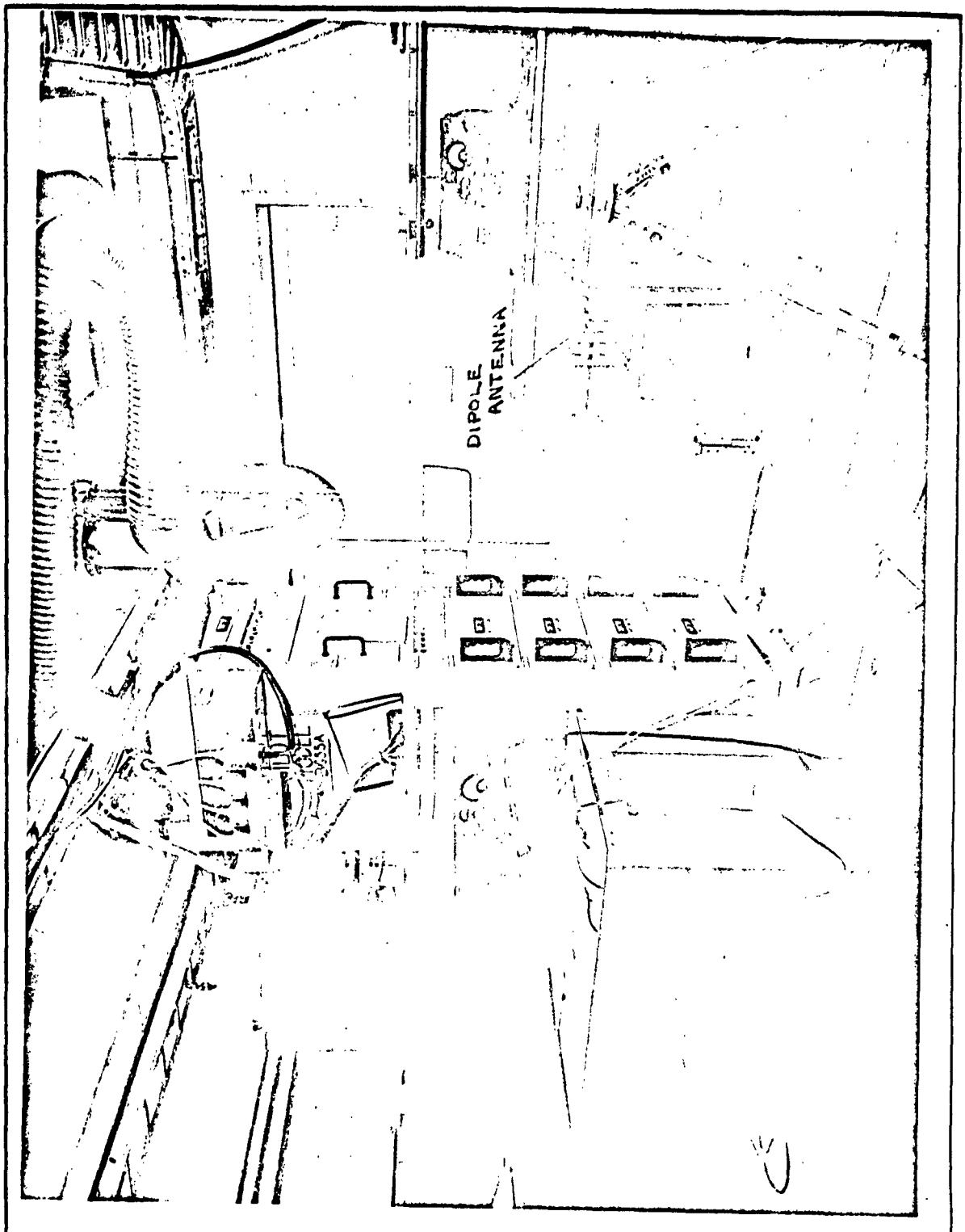
			REVISED	DATE	CONDUCTED INTERFERENCE POWER SUPPLY NUMBER 1	T2-2768
CALC						
CHECK						
APPD						
APPD					BOEING AIRPLANE COMPANY	PAGE 143



			REVISED	DATE	RADIATED INTERFERENCE POWER SUPPLY NUMBER 1	T2-2768
CALC						
CHECK						
APPD						
APPD					BOEING AIRPLANE COMPANY	PAGE 144

3000 (WAS BAC 973D-R3)

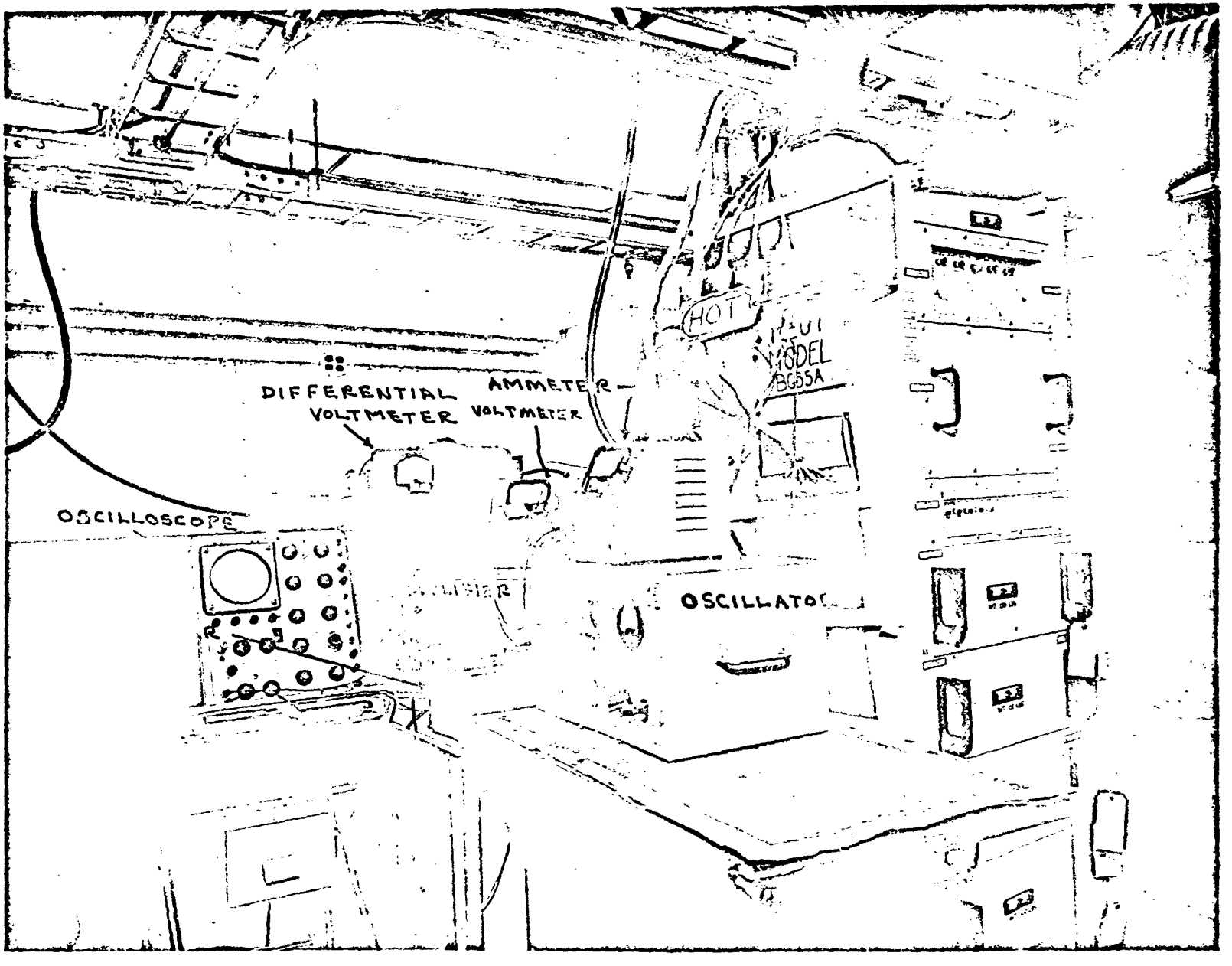
2-7000



CALC			REVISED	DATE	RADIATED INTERFERENCE POWER SUPPLY NUMBER 1
CHECK					
APPD					
APPD					BOEING AIRPLANE COMPANY

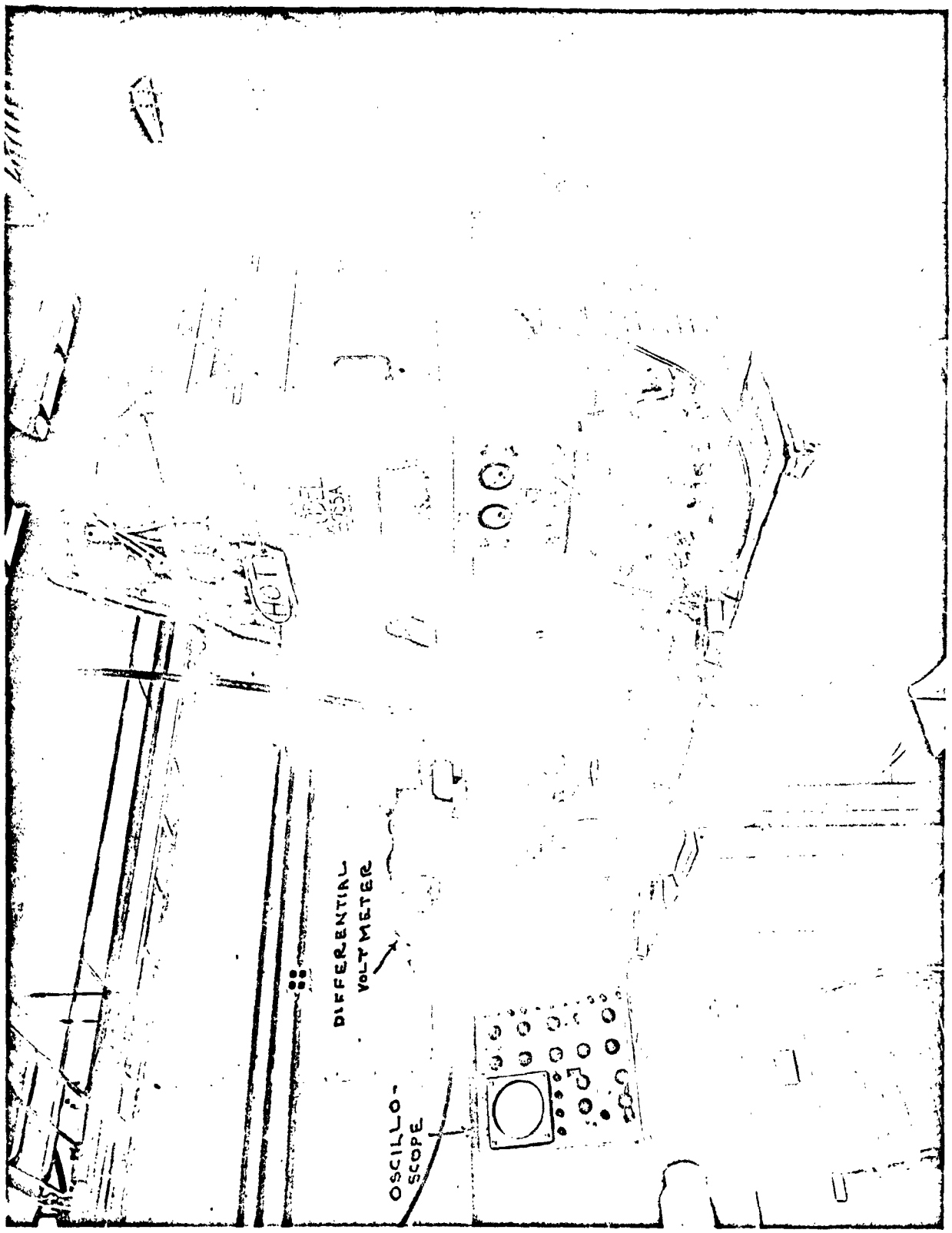
T2-2768

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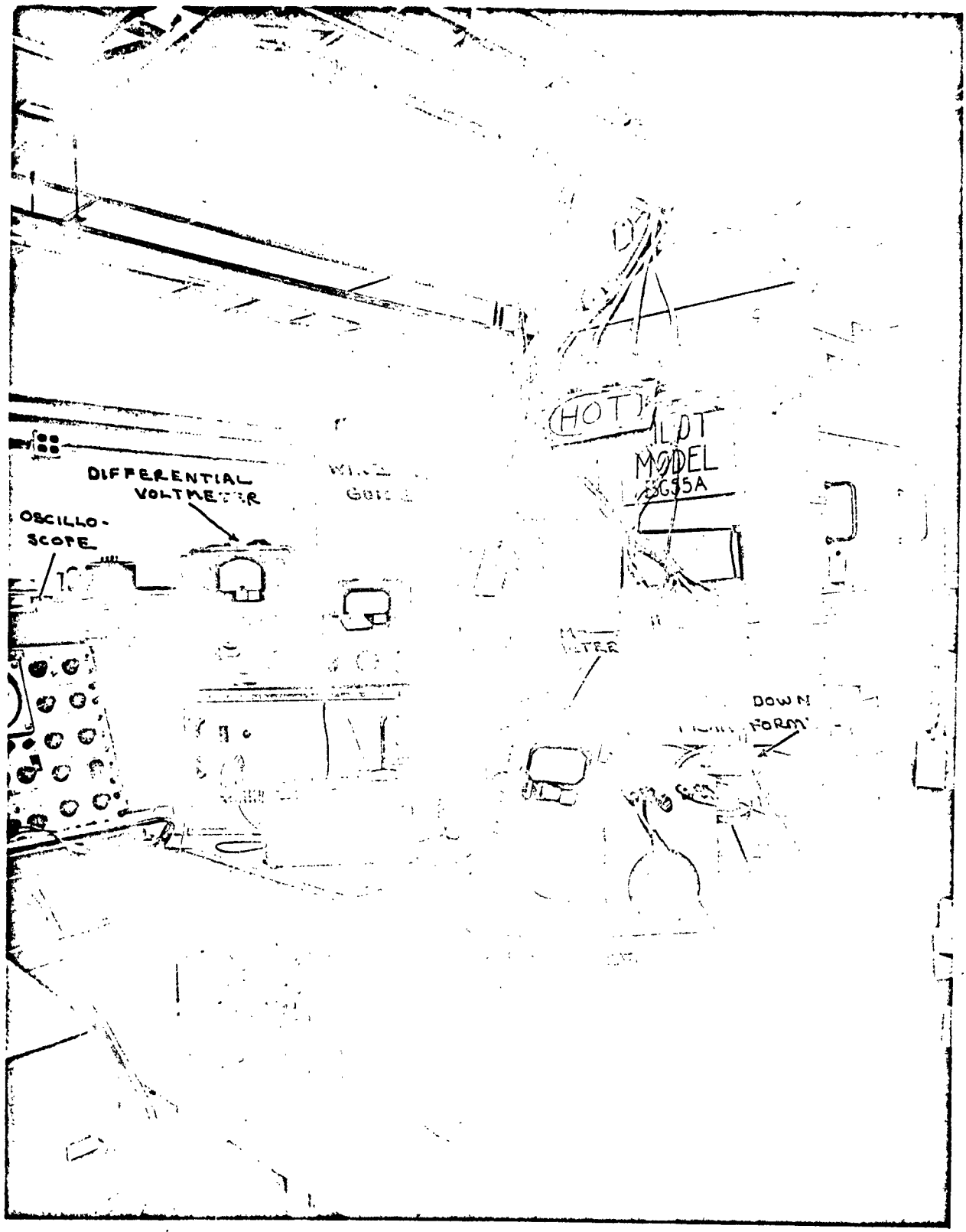
T2-2768

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KINUTRAN R.F.I. TEST SETUP - CONDUCTED TRANS- 4488399
LINT SUSCEPTIBILITY 9-13-61

T2-2768



MINUTEMAN R.F.I. TEST SETUP - CABLE HARNESS SUSCEPTIBILITY 9-15-61

T2-2768

MINUTEMAN R.F.I. TEST SETUP - RF CONDUCTED SUSCEPTIBILITY 9-13-61 2A88358

T2-2768

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